

# BARN · BOOK





## BOOK No. 90

### JAMES MFG. CO.

Fort Atkinson, Wis.  
Elmira, New York  
Minneapolis, Minn.  
Oakland, Calif.

IN CANADA  
Eastern Steel Products, Ltd.  
Jamesway Division  
Montreal, Preston, Toronto

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All Jamesway products and prices applying thereto, are subject to change without obligation to prior customers.



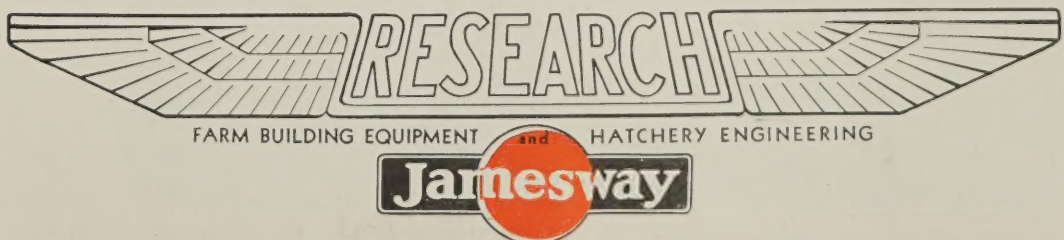
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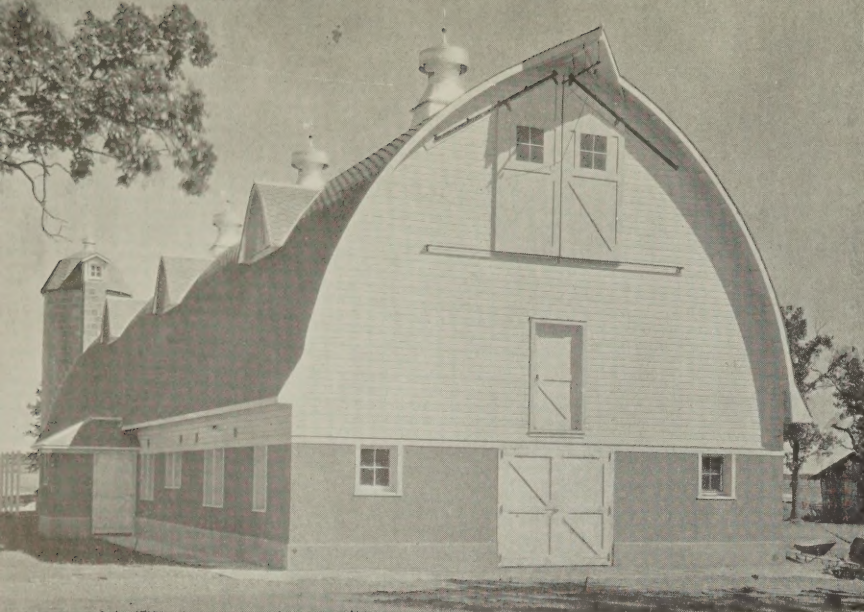
# The Jamesway Barn Book

This book tells *why* the adequate housing of farm animals, a subject poorly understood and often neglected, is necessary to the largest profit from live stock.

*How* to house farm animals profitably is explained in the sections which follow under the general subjects: How to Build, Remodel, Ventilate, and Equip the farm barn for profit.

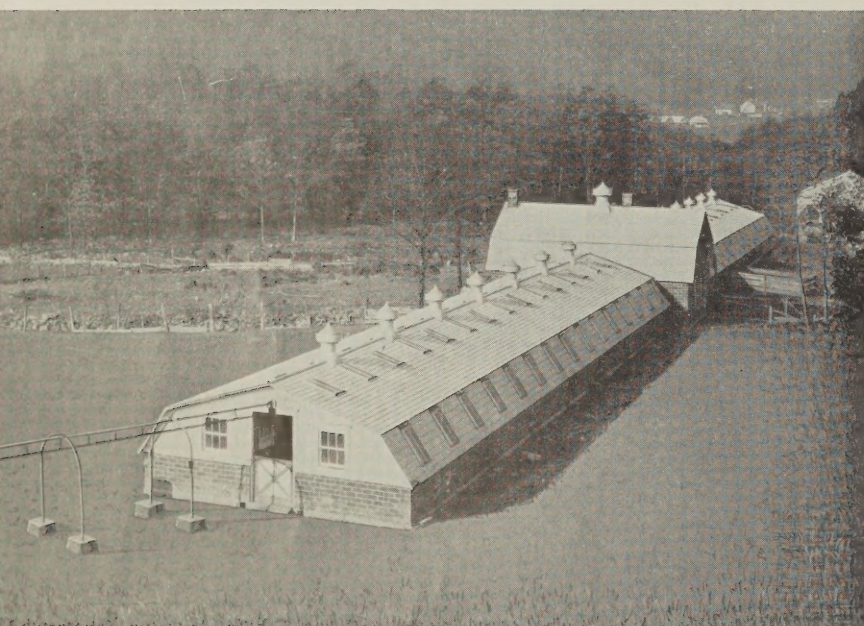






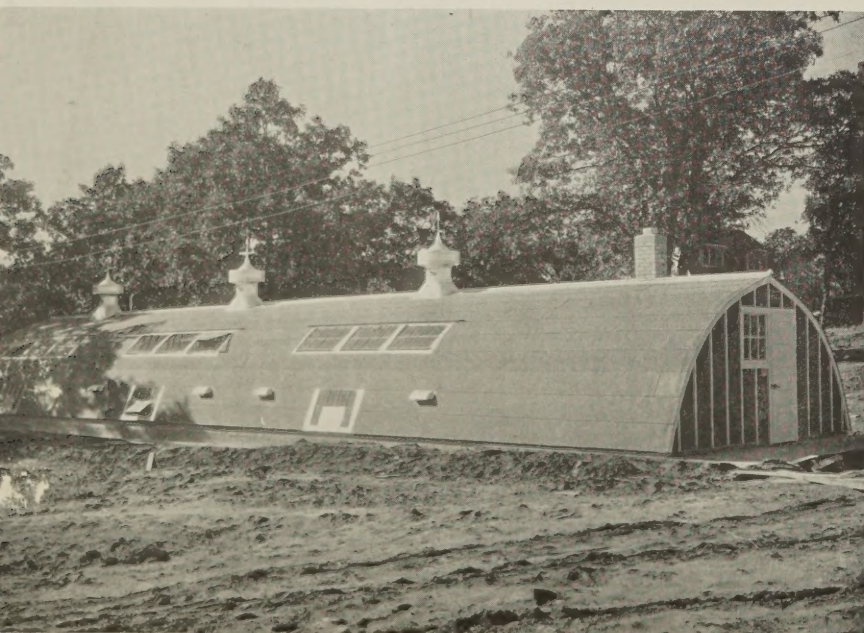
A saving of  $5\frac{1}{2}$  steps at chore time results in a mile less walking each year, and each chore time cut just 2 minutes saves one day's labor in every 300.

Jamesway Dairy Barn on the Masonic Home Farm, Minneapolis, Minnesota.



Out of every 100 pigs born 36 die before they are four weeks old. Saving half this pig loss would pay the taxes on many a farm.

Jamesway Sunny Hog House at Luzern County Farm, Pennsylvania.



One more egg from each hen each month in the average farm flock has helped many a boy or girl through school.

Jamesway Pointed Arch Poultry House on the Poultry Tribune Farm, Mount Morris, Ill.



# You will make *more money* when the stock is *well housed*

To breed, weed and feed is a necessary part of every farm program. Adequate housing of live stock is equally important. By many housing is considered of first importance because it has to do with production and cost of production.

Profits are always necessary for complete success.

In all probability Cost of Production is a subject which is being given more real thought and study today than any other. Certainly it is a subject uppermost in the minds of all classes of producers. The farmer is no exception.

Farm profits come from the difference or margin between the price which the product will bring and the cost of producing that product. If cost of production can be reduced, profits are increased proportionately.

It is becoming an increasingly known fact that the housing of live stock bears a distinct relationship to the cost of producing live stock products.

With this has come a realization of the need for better housing facilities. Betterments that will increase the production of the stock on the

one hand and decrease the cost of producing that product on the other.

More milk from the same number of cows; more pigs from each litter; more eggs from the farm flock. That is the first objective.

A reduced feed bill; less need for hired help; shortened and lightened chore time; less bedding; fewer calls for the veterinarian. That is the second objective.

A better product, more marketable, oftentimes bringing a better price. That is the third objective.

It can easily be seen that the consummation of these three objectives would bring a much wider margin of profit.

Adequate housing plays a major part in these three objectives.

An increase of one pound of milk from each cow in a 30 cow herd is the same as adding one extra cow to the herd.

John Breher, dairyman at Sheboygan Falls, Wis., is the owner of this handsome Jamesway Barn.





# When you build *bear this in mind* the *most important things are inside*

**Farm buildings, attractive in their exterior appearance are very desirable. Contrary to the opinion of many, they need not cost more than buildings less attractive. Do not lose sight of the fact, however, that those things which help to increase profits are mostly out of sight.**

Too little attention has been given to the essential things that increase the production of live stock and decrease costs of feed and care.

Many things that make for more milk, more eggs, more pork from the same amount of stock, at a reduction in the feed and labor bill, are at hand.

Of as much interest is the fact that these advantages are within the financial reach of any one who has a genuine desire to acquire them.

Moreover, they bring a greater degree of happiness, of peace of mind, of stability to the man or woman who wills to have them.

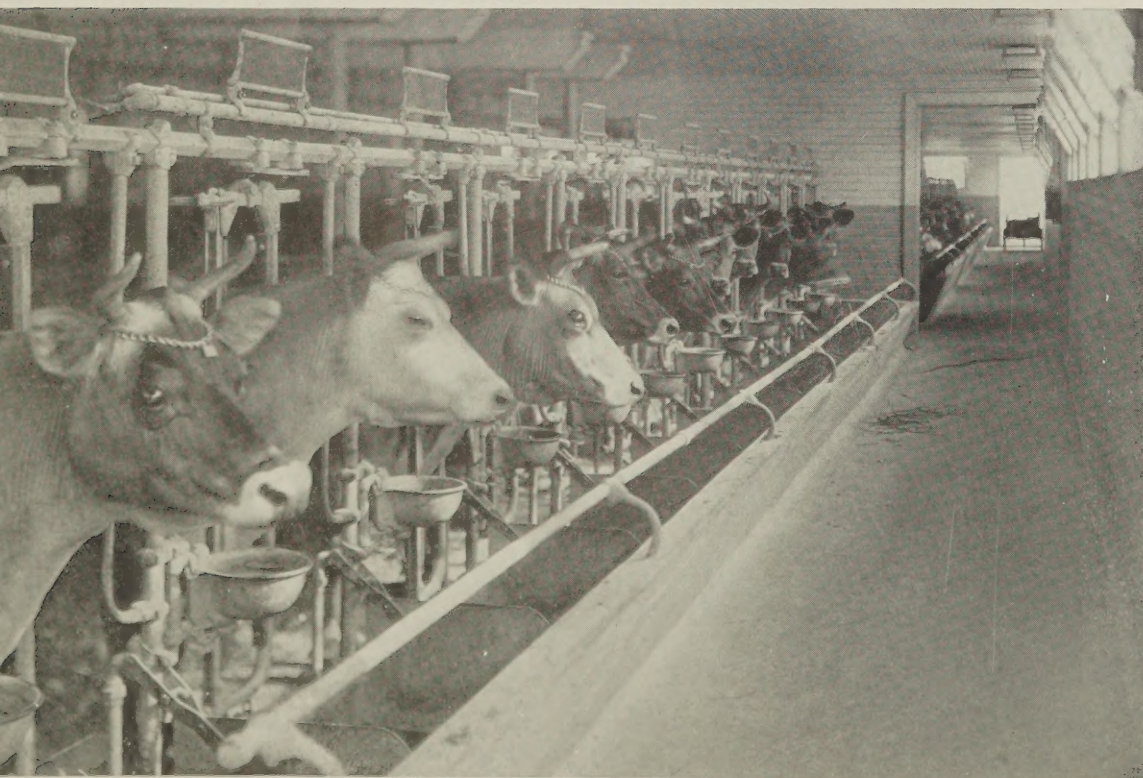
New buildings are not always necessary. Many existing structures can be made to do everything a new building can do towards increasing farm profits. And in the doing of it the old building is made to serve profitably

for another generation at a big saving over a new building.

Whether it is a new building or an old one to be reclaimed, the important things to remember are the profit factors. These are hidden in the walls; in the floors; in the ceilings; windows, doors, alleys, feed rooms, and countless other out of way places.

Knowing what these profit factors are and how to handle them is a special knowledge acquired by Jamesway during the past quarter century.

This specialized knowledge is available to you through trained Jamesway men. There is neither cost nor obligation to calling in the Jamesway man and making use of his wide experience. Tell him what you want, show him your barn, and let him help you get what you want to have.



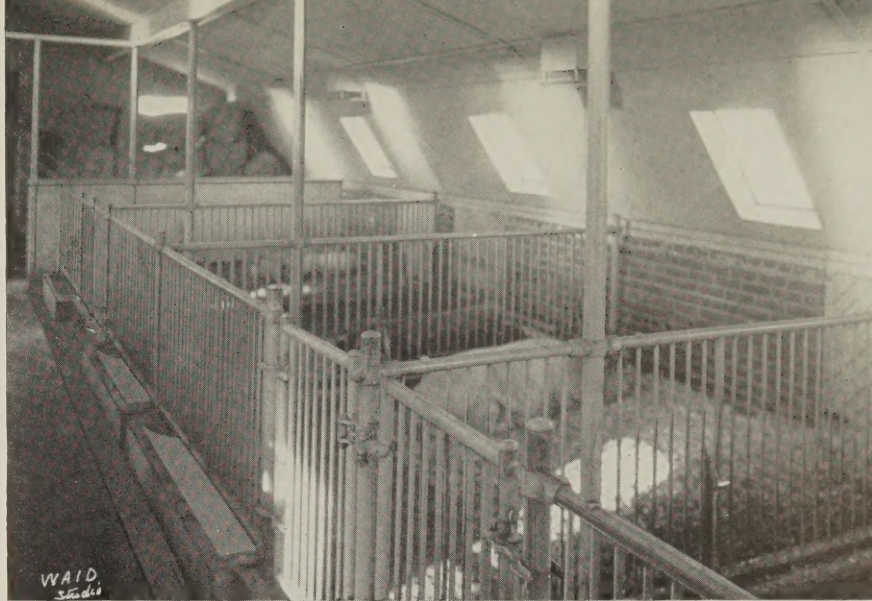
A handful of feed saved at each feeding of a 20 cow herd has resulted in a total annual feed saving of from one to two tons of feed.

A fine dairy herd housed in a Jamesway Equipped and Ventilated Barn on Graham Farms, Washington, Indiana.

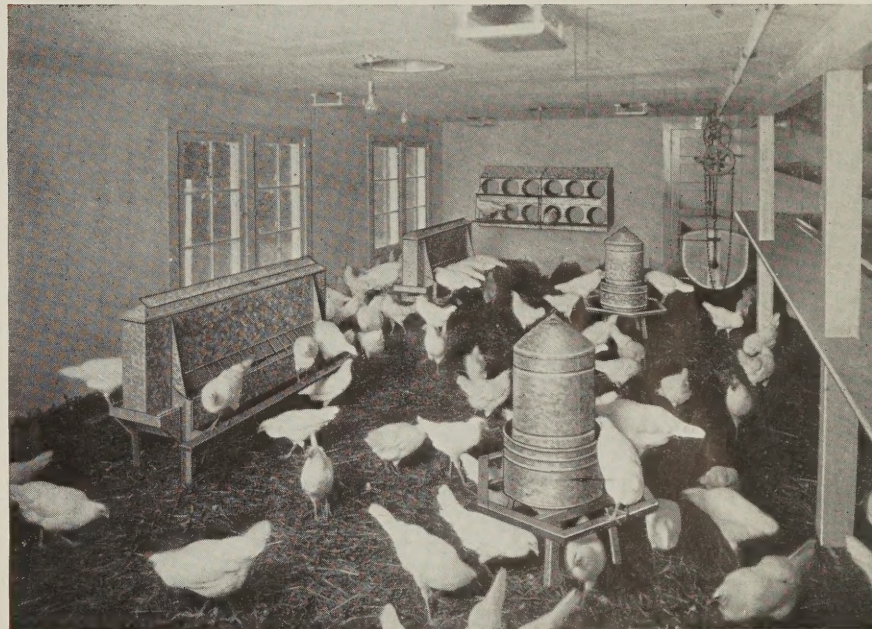


A warm, dry, cheery farrowing house easily kept clean and sanitary is the key to success in raising profitable litters.

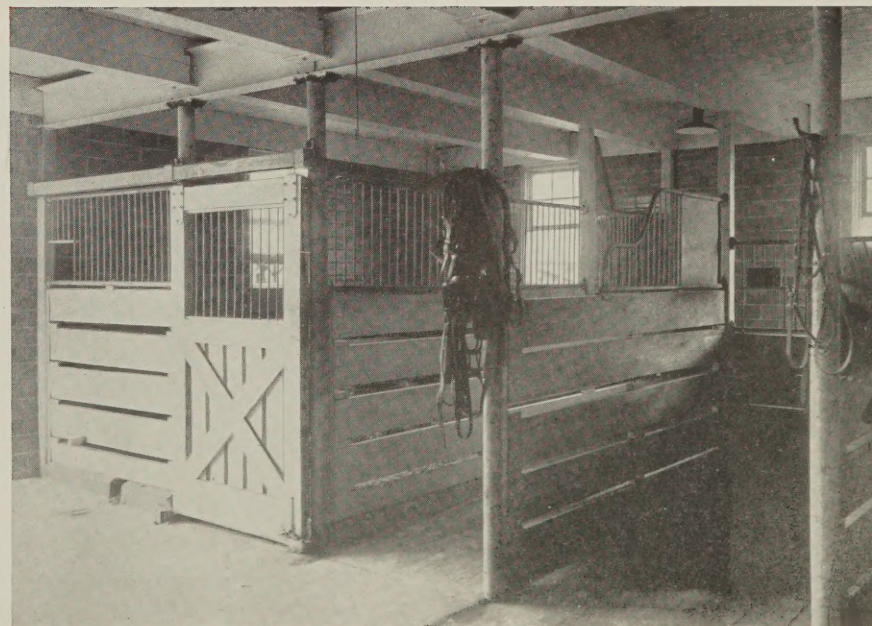
This Jamesway Sunny Hog House is located on the Parker Place, at Auburn, N. H.



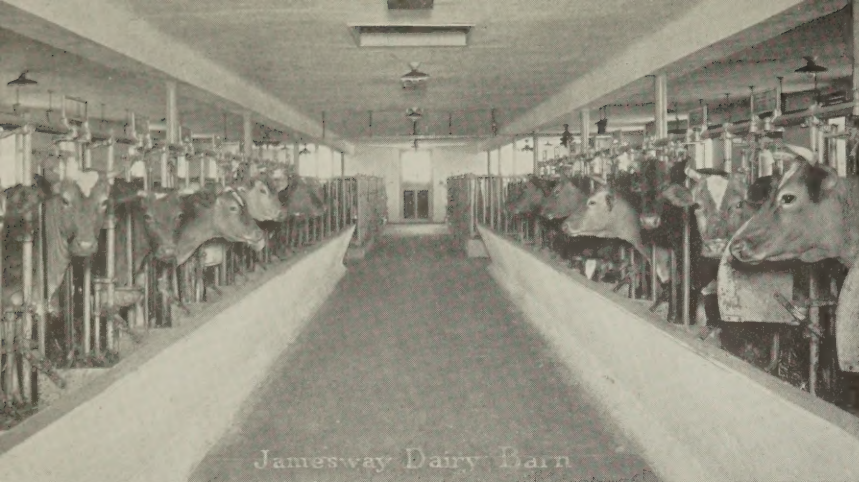
Get eggs in winter when eggs pay. This picture was taken when the temperature was down around zero. The hens thought it was spring time and kept right on laying. A Jamesway House, Jamesway Equipment, Jamesway Ventilation.



Lovers of the faithful horse are responsible for our having developed a line of horse barn equipment. We were mighty glad to do this because we like horses, too.





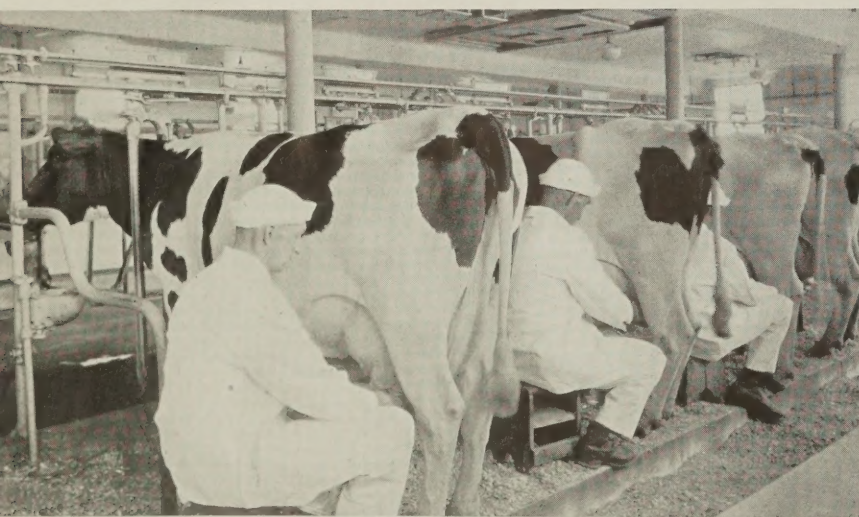


How much more value is the herd housed to show off to its best advantage? Many and many a man has received more money in the sale of cows because they were tied in Jamesway Stalls.

Cadwalder Farm, at Wayne, Pennsylvania.

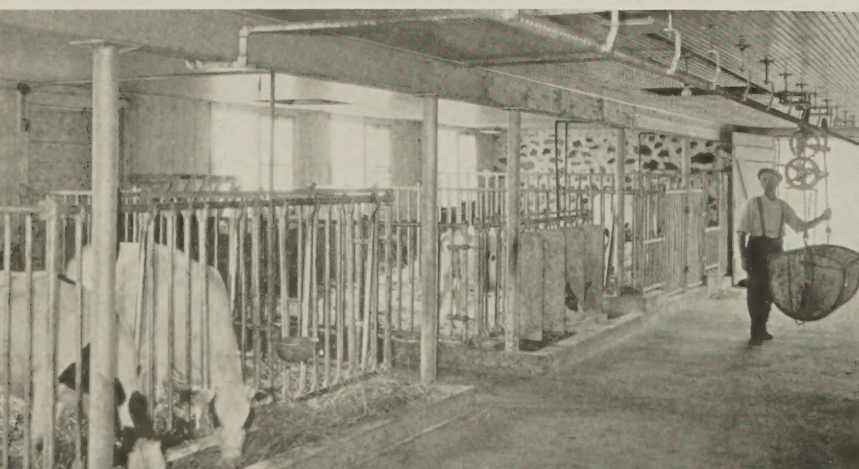


Many a farmer who has been taking too many steps, and too much time doing the daily round of barn chores, has had his work cut in half with Jamesway help. Just 2 minutes a day saved equals one day in every 300.



Hundreds of dairymen have reported an increase in milk yield of from two to five pounds per cow per day after installing Jamesway Equipment.

Goebel Farms, Annandale, New Jersey.



Today's calves are tomorrow's milk check. Many a success, and sadly enough more failures, are traced directly to the way calves were given to develop.

John Breher's barn at Sheboygan Falls, Wis.



# Within these four walls *is the secret of extra profit ... extra convenience*

**[[** The bulk of the products of the farm flows through the barn. That is where the crops are stored; where the stock is housed; and where the resulting product on which a profit is to be realized is made ready for market. What better place to begin a search for ways and means to increase that profit. **]]**

No man would be so foolish as to deliberately work in a barn that is a constant drain on his resources. Who wants a barn that prevents the largest possible production from the stock; that fires feed to keep the animals warm; or that requires thousands of wasted steps each month to do the chores, when a lesser number would do? Presumably no man would permit this to happen.

The barn is the workshop, the factory. The stock housed therein are the machines. In this workshop and with these machines there is produced the product that is expected to bring a livelihood and something more.

It stands to reason then that the larger the production from a given amount of feed and labor is that which will bring the largest profit with the least effort and the greatest satisfaction.

Chore time shortened just  $5\frac{1}{2}$  steps means a mile less walking each year, and each chore time cut 2 minutes saves one day's labor in

every 300 days. Many a farmer who has been taking 10,000 steps or more daily in doing the chores, has had chore time, and chore time steps, cut in half with Jamesway help.

One pound of milk more from each cow, in the average 30-cow herd, equals the addition of one extra cow to the herd. Hundreds of dairymen have reported an increase of from 2 to 5 pounds after building or remodeling the Jamesway.

A handful of feed saved at each feeding of a 20-cow herd may result in a total annual saving of over two tons of feed. The savings are oftentimes greater.

One good cow ruined by having her udder stepped on by a neighboring cow is just that much loss that can be prevented when the stock is properly housed.

These and countless other savings and short cuts are told of in this book, and how you can have them in your own barn.

Warm, dry, airy, cheerful, comfortable barns spell contented cows and contented cows give more milk.

This Jamesway Equipped and Ventilated interior is of the Model Dairy on the New York State Fair Grounds, at Syracuse, New York.





# *Produce more with less feed and labor.*

## *A new barn is **not** always necessary*

**I**n fact, a new barn is seldom necessary. Most old barns are well adapted to the purpose of remodeling at a comparatively moderate outlay. The reclaiming of old farm buildings has a three-fold value. The first has to do with the cost of replacement when that becomes necessary. The second, with increased production. The third, with reduced feed and labor costs. **I**

The farm building built prior to the World War cannot be replaced at anywhere near its original cost. Very few of these older buildings can be replaced at twice their original cost, and many barns built 30 to 40 years ago cannot be replaced at three times their cost.

It stands to reason, then, that it will pay the owner and pay him well to give his attention to put existing buildings in good repair. This can be done easily and at moderate cost. Often without disturbing the stock.

The rebuilt structure will serve well for another generation. Present wastes will be eliminated; time and labor costs reduced. Property values will be enhanced. By reclaiming the old barn a much larger investment in a new building will not be necessary a few years hence.

Increased production will result in increased earnings. A saving of steps leads directly to a reduction in the labor cost. Feed and bedding costs will be lowered. The health of the animals will be better protected. Expensive accidents will be avoided.

Conveniences will be added to shorten and lighten the daily round of barn chores. The boy, if there is one or more, will be better satisfied. Hired hands will appreciate the better methods to ease their duties, and will be more content.

Altogether, the picture is one of improved working conditions, greater satisfaction, more conveniences, and an improved profit return. Added to this must, of course, be the savings effected in reclaiming the old barn, over and above what a new barn would cost.



This is John Webster's barn, at Plymouth, Indiana. It has been made over on the inside to serve every time, labor, and feed saving purpose of a new barn.

Other views on page 9.



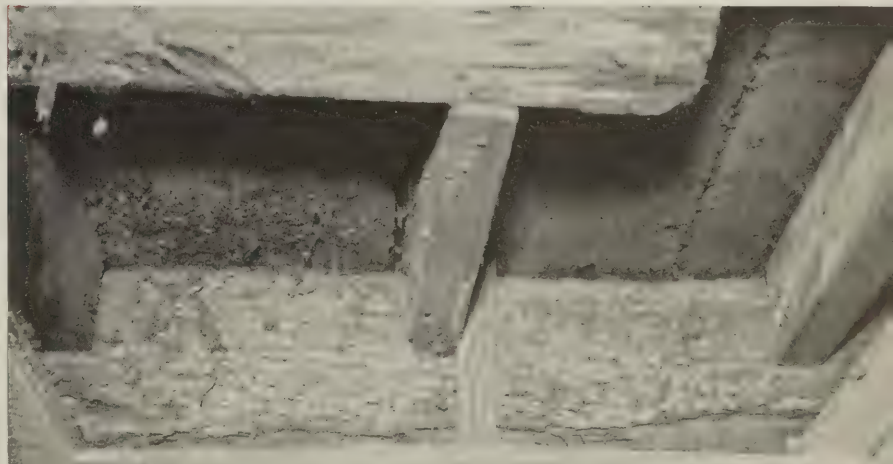
An exterior view of John Webster's barn. Jamesway has specialized for years in making old barns as good as new. These views are a fair sample.



At a very moderate investment in his own property John Webster has added conveniences for his own comfort, and increased the earning capacity of his herd to pay a handsome dividend on the investment.



A cut away view of the old and new ceiling in the Webster barn. Note how the ceiling has been made to look as good as it does in a new barn. How much more cheerful this reclaimed barn. It is warmer and drier, too. Most old barns can be made to look as good as new with Jamesway help.







"An old barn may be down, but seldom entirely out," is the Jamesway slogan. The pictures of the Cooper Barn on this and the next page prove our point. If you have an old barn that you have given up as hopeless let Jamesway try a hand at it.



"The first day I moved my cows into this old barn made over new I got 15 more quarts of milk," writes an enthusiastic customer. Many other dairymen have written us in the same vein. This is the new interior of the old barn you see over on the opposite page. The same barn with a new coat and hat is just above.



Another interior of the Cooper barn located at Kempton, Indiana. Wouldn't you like a barn as nice as this? Barns like this pay dividends in every milk check. Have you an old barn? Perhaps it can be made over.



# 9 out of 10 Old Barns made *good as new*

**[[** We hear much of conservation. Conservation of minerals, forests, wild life, and many more. All worthy objectives. The subject for one of the greatest conservation programs has been overlooked — neglected. Why not the Conservation of Farm Buildings? There's a program that needs something done about it. **]]**

Every farm has its group of farm buildings, and there are some six million odd farms. The value of these buildings runs into untold millions. Most of these structures were built at a fraction of what it would cost to replace them. Many of them are now in need of replacement or repair, more of them will be within a few years.

9 out of 10 of these old farm buildings can be saved and made as good as new at very moderate cost if they are taken in hand at once.

They can be made to do more.

They can be made over to increase production of stock which they now house; remade to lessen labor costs and reduce feed bills.

They can be made to improve the quality of the product produced within their walls and either make that product more saleable or bring more money or both.

They can be renewed to insure more healthful quarters for both man and beast; they can be redesigned to be more convenient; to save

steps, backaches and drudgery; they can be made to prevent waste.

For a small investment, and that is just what it is, an investment in the operator's property, these old buildings can be reclaimed and rebuilt to serve every practical purpose of a brand new barn.

A little knack, a little experience, a little knowledge is all that is necessary in the reclamation and conservation of these old buildings.

Jamesway has specialized for years in the rejuvenation of old farm buildings. Our proudest moments are those when we reflect on the thousands of dollars we have saved owners of old farm buildings, and the happiness we have brought them in helping to renew and reclaim the good that is in their old buildings. Many of these folks never realized that such a transformation could take place. Hundreds had thought the old buildings hopeless and beyond repair.

"Believe it or not," this is the same barn shown on page 10. To Mrs. Ethel Cooper, of Kempton, Indiana, belongs the credit of reclaiming a profit *taking* barn to a profit *making* barn.





# Make the *profit taking* barn a *profit making* barn

Sometimes an outsider can see values that are hidden to the man who lives with his problem every day. Take this question of barns. The Jamesway man has eyes trained to see. He has an understanding of what to do as well as what not to do. He knows how to make a profit taking barn over into a profit making barn.

"The first day I moved my cows into this old barn, made over new, I got 15 more quarts of milk. Within a week we were getting 60 quarts more a day from the same 30 cows. Feed was just the same and care. It is very cold here, sometimes 20 below, but with Jamesway Ventilation there has never been any frost or moisture anywhere."

This report by James H. Foote, of Gardiner, Maine, with slight variations might be told of hundreds of old barns saved and made profitable with Jamesway help.

Many farmers have waited and waited to build a new barn. Others have built a new barn when the old barn could have been made over to answer every practical purpose of a new barn. An expense that was not at all necessary.

If you have an old, dark, damp, poorly arranged barn, don't think of tearing it down to put up a new one. And don't wait until you can afford a new one.

When a cow is sick you send for a "cow doctor." Some folks have referred to Jamesway as "barn doctors." We don't mind. In fact, we are as proud of the thousands of old sick barns we have helped to make over from *profit taking* to *profit making* barns as anything we have ever done.

Why not call in the Jamesway man today? Tell him what you want and how you want it. Let him see if he cannot help you. No harm would be done. It won't cost you a cent nor will you be expected to buy anything. Just say,—“Have the Jamesway man call and look at my old barn sometime when he is nearby.”



The Gilmore Jersey Dairy near Jeffersonville, Indiana. Read the wonderful story about the Gilmores told in pictures on page 13.



What a story of courage and resourcefulness this is. The Gilmores deciding to get more money for the milk from their nice Jersey herd built up a retail trade and now sell all to their city customers. Mrs. Gilmore takes care of the business end, father and son the dairy.



On their way to town with the Gilmore delivery outfit. Jersey milk with a 5% fat guarantee. We'll bet it's clean, and wholesome, too. In background the old barn made new with Jamesway Equipment and Ventilation.



And here are the Gilmore Jerseys all lined up at the gutter in their comfortable Jamesway Stalls. Clean barn, clean cows, clean milk spells a premium product every time.







Barn owned by Mary C. Folwell, Thompson, Delaware, redeemed from the old "windjammer" shown on page 15. Another example of what a little knack can do when it goes to work.



The interior of a reclaimed barn. Just as dry, just as warm, just as comfortable as a new barn at a fraction of the cost. Result, more milk, from less feed, and with less labor.



Another view of the barn Mary C. Folwell renovated from the old building shown to the right. A modern, up-to-date barn serving every purpose of a new one.



# Before you condemn the old barn ... let Jamesway see what can be done

“A man may be down, but never out,” say the Salvation Army folks. Jamesway has paraphrased that slogan to read, — “A barn may be down, but seldom entirely out.” Thousands of old barns have been given up as hopeless by their owners only to be surprised and gratified at the transformation wrought in them by Jamesway. Have you an old barn that appears beyond redemption?

Don't give it up, let Jamesway see what can be done.

One look at the apparently hopeless wind-jammers, on this and nearby pages, transformed and rejuvenated by the owners with Jamesway help, will convince the most skeptical of the truth of the slogan,—“A barn may be down, but seldom entirely out.”

There is a peculiar satisfaction, a fascination you might say, in redeeming old barns. Just as there is a deep and an abiding satisfaction in saving lost souls.

The proudest moments of a Jamesway man's career are those when he stands before some farm building he helped reclaim. A building that was once forlorn and forgotten—given up as hopeless—neglected to the elements, but at last redeemed and rejuvenated to the lasting gratitude of its owner.

If you have an old barn that has long been

abandoned perhaps you too can enjoy the satisfaction of saving it for yourself and another generation. And where can one gain greater satisfaction than in saving some decrepit old wreck that has been given up as past redemption.

Call in the Jamesway man and let him look at that old barn. Looking at it and advising with you won't cost you a cent. Neither will it place you under the least obligation.

It may result in saving you hundreds of dollars in the cost of a new building. And perhaps you, too, will be surprised and gratified like many others have been, to find that your cows have increased their flow of milk. Surprised again to learn that it takes much less feed. And happy to discover that chore time has been cut right in two.

Here is an old timer that was headed for oblivion until taken in hand by Mrs. Mary C. Folwell, of Thompson, Delaware, and made over as shown in the pictures on page 14.





# If you have no buildings to fix over then *build now for now is the time*

The Editors of a great national farm paper recently said editorially, "Farm buildings other than farm dwellings are constructed to increase farm income. They depreciate and finally fail to meet modern needs. Many farm structures are now obsolete. With building materials on the bargain counter there never was a better time to consider a five year program of rebuilding and remodeling."

In another national publication we read, "Building and rebuilding costs are way down, but you must act right away we believe." While this article deals with home building, it has so much in common with farm building that it is well worth quoting further. "Under present conditions there are few industries in which money will go farther than in home-building and rebuilding. Material prices are down, the scarcity of work that has given us an unemployment problem has, in some cases, lowered the cost of labor, money is more easily available for building and rebuilding homes, and, altogether, it is a situation offering anyone who contemplates building or rebuilding an extraordinary opportunity to save a great deal of money.

"If ever there were an opportune time to build, if ever there were conditions favorable to the home-builder and re-builder, it is now. But the situation will not remain as it is. Taking the opportunity, you who contemplate building or rebuilding will start your work now, and prices will inevitably rise through this stimulation of the building industry. The fullest benefit, the most home for the least money, is only for those who act promptly.

"An examination of the up-and-down waves of building prices of the past will convince the thoughtful person that "there is tide in the affairs of men," and wise is the man who takes full advantage of the tide at just the right time. The indications are, surely, that this is the best time in many years for any kind of building or rebuilding."



Real building economy means not only low first cost, but more important the daily cost of the building ever after.





Jamesway experience is not limited to one barn, or ten, or one hundred. It is an accumulated experience with thousands of barns over a period of 25 years. This experience could not help but know the short cuts to true economy.

Jamesway Planned, Equipped and Ventilated barn owned by C. K. Bennett, of Owatonna, Minnesota.



Lower costs of building depend on a knowledge of framing, the proper kind of concrete work; siding, roofing material, arrangement, and many other things making for real economy. All of which can be summed up as correct planning. Modern Jamesway Barn on farm of E. Martin, Goshen, Indiana.



Lars Petersen, of Milltown, Wisconsin, built this completely Jamesway Equipped and Ventilated Barn after Jamesway Plans. He is proud of his new barn and might well be.







The right way to build a barn is to bring in a man who plans barns, and with his help build the barn on paper first.



One small detail of this barn shows forethought. A gutter under the eaves, with a down spout to carry off rainwater was planned in advance, as are many other features of this Jamesway Barn belonging to C. A. Johnson, of Galesburg, Illinois.



Another 100% Jamesway Planned, Equipped, and Ventilated Barn. A good looking barn, built soundly, with an eye ever watchful to getting more milk from less feed and labor.



Under certain conditions this type of barn answers every purpose needed to house the herd. If it is well arranged, properly lighted, adequately ventilated, the increased production, labor and feed savings more than justify its existence.



# Does this barn look costly... *look close*

## Your neighbors may have more costly barns

The barn on this page may look out of the average farmer's reach. But is it? Look close. Don't be deceived. It is a dairyman's barn. Chances are it did not cost more, if as much, as many barns in your neighborhood. The difference is in the planning. Careful planning does not make a barn cost more. Usually it makes a barn cost less and includes a money saving and money making barn inside. That's more important than appearance, although both are important.

There is just one safe way to build, so there will be no after regrets—to build from carefully made plans, showing all details of construction and of materials. Know that the plans are right, before you put a spade in the ground, or drive a nail.

Good looking farm buildings are an asset to any farm. A farmer and his farm are judged largely by the appearance of his buildings.

A well appearing set of farm buildings are a sign of good management, of industry, of thrift, of economy, of success. More than anything else, good farm buildings prove the value of a little time spent in careful planning.

Attractive farm buildings are always directly traceable to someone who knew how to plan. Contractors, carpenters, and masons are builders. Planning barns is a specialized knowledge. Don't build or remodel until you

get one whose training and experience it is to plan barns, to help you.

Many people have a wrong idea about plans. They believe plans make a building cost more. The fact of the matter is, plans make the finished building worth more and the farm a more desirable place. They do not make the building cost more. Plans carefully prepared usually make the first cost of a building less, and the daily cost much less.

Plans save money in many other ways. If they accomplished no more than avoiding mistakes common to every poorly planned building, they would be well worth their cost. Mistakes built in cannot be easily rectified. Avoid them by planning. Get a building that is worth more without costing more.

Worth it! Certainly! It pays dividends in the monthly milk check; in steps saved; in lowered feed bills; in veterinarian bills; and in a host of other ways.

Many an ordinary looking farm barn of equal size cost the owner far more than this 100% Jamesway Barn located at Devitt's Camp, Allenwood, Pennsylvania. The secret is in the planning.





# 7 things to *remember* in planning *profitable* farm buildings

Whether you plan a new building or have in mind remodeling an old one, seven essentials for a profitable and satisfactory barn should be kept in mind. The sure way to have them all is to plan them in advance. In that way you will be more certain to get what you want without making serious mistakes. Keep these seven essentials in mind.

**WARMTH:** In recent winters thousands of poultrymen heated their poultry houses. Why? Because they have learned that coal is cheaper than feed. More important they get eggs in winter when eggs pay. The formula is simple — More Eggs — Less Feed — More Profit. Dairy cows respond to warmth in the same way as hens. The trick is to conserve body heat. By doing so less feed will be used to make more milk. Result, larger milk checks.

**DRYNESS:** “What makes my barn damp?” That’s a question that is asked every winter day. Damp barns are an abomination, a nuisance. Dampness causes buildings to decay and rot quickly. Other than that, excessive dampness has a bad effect on the animals just as it does on humans. Keeping the barn free from excessive moisture is no job for the inexperienced. That’s why there are so many damp barns. Call in a Jamesway man. Let him help you before you build. Save yourself and cows winter misery.

**VENTILATION:** You can not have a warm barn without it being a tight barn. You can not have a tight barn that is satisfactory without ventilation. We mean workable, positive, adequate ventilation. There are thousands of farmers who think they have ventilation. They also have cold, clammy, damp barns. Positive ventilation is a Ventilating Engineer’s business. The best advice on the subject of ventilation is to seek good advice.

**SUNLIGHT:** Nothing is more important in a stable than sunlight. It is nature’s disinfectant. A barn that is bright, airy, warm,

dry and cheerful is a barn in which the owner is many times repaid with more money in his milk check. Old barns as well as new can be made warmer, drier, and cheerier. Plan on paper first and be sure to get them.

**DRAINAGE:** Another way and in this case perhaps a better way of saying sanitation — cleanliness. Properly drained, a barn and the yard can be kept reasonably clean and sanitary. Improper or no drainage and the task becomes difficult, if not impossible. Drains once in, do not cost a red penny to operate and they help you to keep the place clean. The Jamesway man can give you a great deal of information and help on drainage questions.

**CONVENIENCE:** A convenient barn requires careful planning. Count footsteps to see which is the shorter way to do the daily round of chores. Some farmers have been known to travel as high as a hundred miles a month doing barn chores. No head work there. Most farmers could cut chore time right in two. Jamesway men know how to save steps in the barn. Let them help you plan.

**APPEARANCE:** Good-looking buildings are worth more. They do not cost more. Usually they cost less, because they were planned by some one who knew how. No man wants an ugly looking building. Contractors are builders. Let some one who knows balance, proportion, appearance, plan your barn, whether it be new or remodeled, then you will be sure to have a fine looking barn.



Every essential of a satisfactory barn shows in this picture. We begin here with feeds and feeding. What a place to save and make money! "With the James Truck I save 55 rods at each feeding," says M. F. Wood, of Concord, Minnesota.



Sunshine—Cows lined up at the gutter—Cleaner Cows—Cleaner Milk—Fresh Air—Cow Comfort—Protection—Convenience. They pay for the Reliable Dairy, at South Bend, Indiana.



Warmer Barns—Drier Barns—Healthier Barns—Bright and Airy Barns. A comfortable, cheerful place in which to work, and a more certain way of earning a livelihood.



Count footsteps and do the round of daily chores in the shortest possible way, with the least amount of effort. There are more important things to do than pitching manure and pushing wheelbarrows.







E. L. Bishop, of Whitewater, Wisconsin, came right straight to Jamesway for help in laying out this barn. It is a splendid example of knowing and planning in advance of building. Perhaps we should show pictures of barns built without planning. Sad to say there are many more of the latter than the former.



Right down the alley—Air—Water—Feed. The raw materials. On the other side of the manger the most marvelous of all creatures. A machine for turning raw materials into human food. It is no place for guessers or guessing.



Manure disposal may appear a simple matter to be given little or no thought. It deserves the most careful thought and planning. There is soil wealth to be considered, labor costs, time and energy, and sanitation. These are not subjects for careless thought.





# Guessing ruins more barns than cyclones be sure yours is structurally *right*

Structural strength is not a matter of a lot of big timbers. Rather, it is a question of knowing how to use timbers properly. More barns have been ruined by faulty structural design than by cyclones. The knack of knowing how to plan prevents faulty framing. Of the thousands of barns built after Jamesway Complete Plans, not one has ever failed. Be sure your new barn is planned soundly, looks good outside, and makes money for you inside.

The structural design or framing of a farm building should first of all be in keeping with the purpose it is to serve. Too many barns are built the other way around. That is to say, the owner needing a new barn orders one, say 36 ft. x 60 ft., with a 14-foot post in the loft. After it is up he starts to plan the arrangement for the stock. To his dismay he finds it too small for his requirements, or too large. Supporting posts are in the way of the stable arrangement and must be moved at considerable expense. The whole layout becomes more confused than a crossword puzzle. It finally turns out that nothing much is the way he wanted it. Worst of all, he has to constantly live and work in it. That's the net result of poor plans.

Framing design should be considered in connection with crop storage requirements and the amount of stock to be kept. If it is not so

handled, the frame may prove too light for the load, or too heavy, and contain much more material than necessary with consequent excessive building cost.

Future requirements should also be kept in mind. Too many barns are built without any thought being given to expansion of the herd. A little foresight in this respect is well worth while.

Whether it be a gable roof, a hip or gambrel roof, or the newer gothic type of roof, is a matter that should be considered from every angle before the owner's preferences are thought of. Properly planned, any one of the three types of roof make a handsome building.

Taken together, it is a subject that requires much careful study and forethought. It will pay to plan carefully on paper first. Consult a man who knows how to plan barns.

There is rugged strength in every inch of this structure that can only be had by planning and building on paper first. Peculiar, isn't it, that we should guess when knowledge and experience are at our elbow. Masonic Home Barn, at Minneapolis, Minn.





# You *saved* me from some *Bad Mistakes* in Building My New Barn

Bad mistakes have been avoided by hundreds of others just as they were in Mr. Hamrum's case when he called in the Jamesway man. Mr. Hamrum could not afford to make mistakes any more than can other farmers. Avoid mistakes by building on paper first.

Every year Jamesway prepares plans from which are remodeled or built hundreds of splendid barns. In the course of the year we are called upon to help solve problems of other thousands through the person of a corps of Jamesway men located in all parts of the country.

Incorporated in these plans are the most valuable suggestions from the thousands of problems which come before us every year.

This work has been carried on continuously for over 25 years, so that today Jamesway Plan Service represents the accumulated experience extending over a quarter of a century in which we have been in daily contact with barn conditions everywhere.

While this actual field experience was being gained, Jamesway Ventilating Engineers and

Structural Engineers have been delving into the scientific side of barn construction and the many phases of that problem. The plank frame barn, the first successful gothic roof rafter, the Jamesway Pointed Arch, and a host of modern developments in barn design and construction came from Jamesway Engineers.

Thus, Jamesway Barn Plans represent scientific plus practical knowledge and experience that is invaluable to the prospective builder of barns, poultry or hog houses.

The barns we recommend are practical barns, designed to increase production on the one hand, while on the other, aiming to reduce the cost of production. More milk, more eggs, more pork; less feed, less waste, less labor. Increased profit. That is the Jamesway creed for farmers.



C. L. Hamrum, of Franklin, Minnesota, says his Jamesway Barn is "paid for and making him money. We can do our work a lot easier and in a lot less time than before."



"It pays to have good plans," writes S. J. Banford, of Woodstock, Illinois, owner of this dandy barn. "If I had a hundred barns to build they would all be Jamesway planned like this one. My barn is handy, not half the work it was in my old barn."



"The best investment I ever made," says George Richardson, of Garden City, Minnesota, and the proud owner of this barn, "was made in Jamesway Plans." "We saved \$400 in labor alone due to Jamesway Plans," writes William Miller, of Linglestown, Pennsylvania. While O. L. Thistlewaite, of Chapman, Kansas, writes he saved \$755 by using Jamesway Plans.



"We got more milk last winter than ever before, and from fewer cows," says Elmer Keller, of Verdi, Minnesota, the owner of this Jamesway barn, "the barn was dry and comfortable. It never got below 48 degrees inside when it was 20 below outside."







"We could not begin to do the work we do," writes Mrs. Pratt, of Mankato, Minnesota, "if it were not for our Jamesway Barn. The plans helped keep down all our building expenses and we got a far more satisfactory barn."



"All my buildings, Dairy Barn, Hog and Poultry House, were planned by Jamesway," writes John H Fry, of Silver Creek, New York. "There was a difference of \$2500 between high and low bids. I, of course, took the low bid as your specifications covered everything."



"My Jamesway plans saved enough in cost of materials and labor to more than pay for all my equipment. I would not think of building without good plans. It is the only way to get what you want," writes Robert Squires, Masena, New York.



"There is no service which you render more valuable than that furnished by your Engineering Department," writes Gage E. Tarbell, owner of Tarbell Farms, where Jamesway Planned buildings are shown here.



# Save building costs... Avoid mistakes

## Build your barn *on paper* first

The barn shown here was first roughly planned on paper. Good barns don't just happen. Savings are not generally made in their first cost without plans. Neither can savings be made in their everyday cost. That is more important. Mistakes are there to stay, usually. The way to avoid them and have a good barn is simple — Let Jamesway help you plan.

The most expensive way to build is to build without plans. Waste is usually caused by a lack of forethought. Waste labor, waste material, wasted time thinking and arguing about how this or that should be done can most often be traced to poor plans or no plans.

But these are not the biggest waste. The largest expense of a barn poorly planned is the everyday waste. The things the owner should have had to help him increase the production of his stock, and reduce his costs of operation are not there. That's when it hurts. Day after day he puts up with waste and the mistakes that could have been avoided.

There is just one safe way to build or remodel so there will be no after regrets. There is little excuse for remarks like, "I wish I had

it to do over again." Call in the Jamesway man. Tell him what you want to do; what you want to have. He will help you get what you want, and the way you want to have it.

After making preliminary sketches; after everything has been considered; after the wrinkles are all ironed out, you will then have something definite to study and mull over. If you are interested in Complete Plans and Specifications, the Jamesway man can tell you what this service includes and how we prepare Complete Plans and Specifications at actual cost. You will be surprised to learn how reasonable they are and what a lot of trouble and money they will save you. If you don't need the complete plans the help of the Jamesway man has cost you nothing. Neither have you obligated yourself in the least.

Jamesway planned, Equipped and Ventilated dairy barn belonging to Wardersle Bros., Buffalo, Minnesota.





# You ought to *know* this man... and *make use* of his experience

There is a man in your community you ought to know. He is a builder in the sense that he believes in and promotes a larger opportunity for farmers. Through his special knowledge he has helped hundreds of your neighbors. They speak well of him and will recommend him to you. He will gladly help you too. He is the Jamesway man.

In the course of a year the Jamesway Man helps draw plans for the building or remodeling of hundreds of barns and poultry houses. He has a better chance to study good barns and bad, than anyone else in your community. He has seen the mistakes and he knows the best ways to plan barns that make money.

The Jamesway man knows the contractors, the carpenters, cement men, and masons in your community. He knows the lumber men. His acquaintanceship is large and valuable to the man who expects to build.

You ought to know this man. Many of your neighbors know him and call him a friend. His desire to always be of some help assures him a welcome among those who know him.

If you are thinking of building call in the Jamesway man. Just drop a card to our nearest office. Knowing him and talking with him about your plans may result in some helpful advice that will be worth a great deal to you.

Back of the Jamesway man is Jamesway. For a quarter century or more Jamesway has specialized in the planning of buildings for all classes of live stock, including poultry and hog houses.

Jamesway maintains a research and engineering department with a trained corps of Heating and Ventilating Engineers and Structural Engineers. These men are assisted by a group of draughtsmen, designers, and artists. Day in and day out they devote their energies to the betterment of live stock housing.

When a Jamesway man sees you he brings this knowledge and experience of a great organization devoting its time to just one thing—Better Barns and Poultry Houses for you and your neighbors. This experience is available to you for the asking. No cost and no obligation. Won't you make use of this experience before you build or remodel any farm building?



Jamesway men embarking for home after attending 25th Anniversary Convention. In oval a typical Jamesway man. A Jamesway man lives near you.





Views of our Plan Department. Here the plans are prepared for thousands of new and remodeled farm buildings every year. This service is available through the Jamesway man in your community. Typical examples of this service are shown in the finished structures pictured throughout this book.



Jamesway Plan Service Department Ft. Atkinson, Wis.



Jamesway Plan Service Department Elmira, N. Y.

What is the best wall construction? The best ceiling or the best floor? The Jamesway man can tell you as a result of testing work done in our research Laboratories. Here are shown 25 wall and ceiling sections. Many more not shown. All have been rated for heat loss, air leakage, and many other factors.



One of the many instruments used by Jamesway Engineers to determine the correct answer to such questions as "Why is my barn damp?" This instrument can be described to the layman as a thermometer so sensitive that it jumps when a finger is pointed its way.



Back of the Jamesway man are modern factories fully equipped with modern machinery turning out a quality product at a cost saving. Jamesway is the oldest and largest institution in the world manufacturing equipment and ventilation for the cow, horse, hog, and hen.





# A Little Journey to Jamesway Planned



The Alldrich Farm—Rehoboth, Massachusetts.



E. L. Bishop—Whitewater, Wisconsin.



Pioneer Point Farm—Centerville, Maryland.



Mrs. F. S. Dibble—Newburyport, Massachusetts.



F. L. Williams—Hope, Rhode Island.



Delchester Farms—Edgemont, Pennsylvania.



Arthur Stanley Zell—Ridgewood, Maryland.

An enduring, satisfactory barn is not the result of ill advised, poorly considered, incomplete plans or no plans.



# Equipped and Ventilated Farm Buildings



John B. Dennis—Churchill, Tennessee.



St. Charles College—Grant Coteau, Louisiana.



Jewish Relief Society—Colorado.



P. J. McHugh—Helena, Montana.



D. A. Hunt & Bro.—Brunswick, Maine.



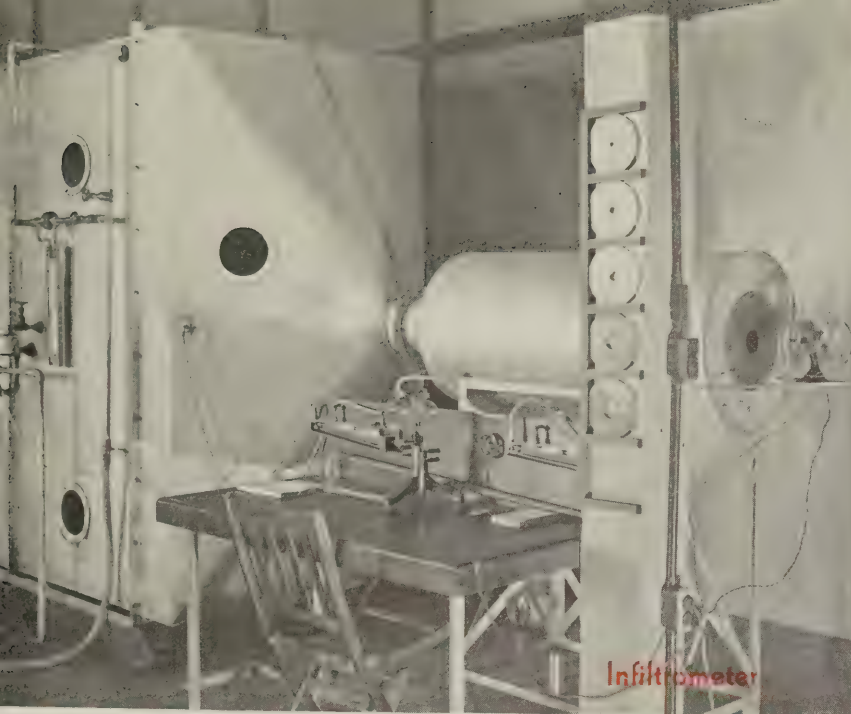
Paul R. Johnson—Independence, Kansas.



Fay Hammersley—Madison, Wisconsin.

A Jamesway Planned Barn is assurance of a good looking, enduring building that will save and make money for you.

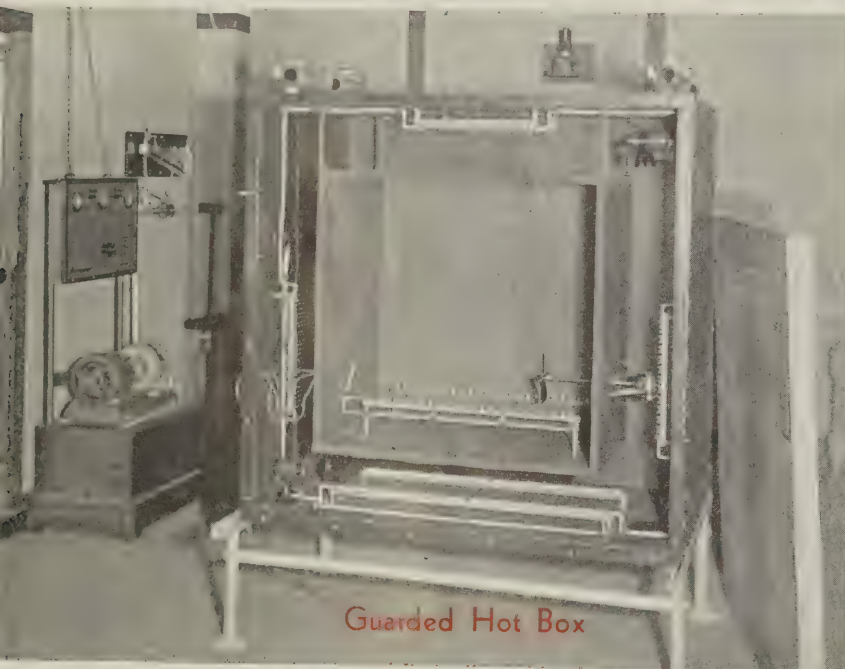




Just as "Necessity is the mother of invention," so is today's progress the child of science and research. The chemist and the engineer are making a new world for us.

To Jamesway engineers only facts are acceptable, guessing is not tolerated.

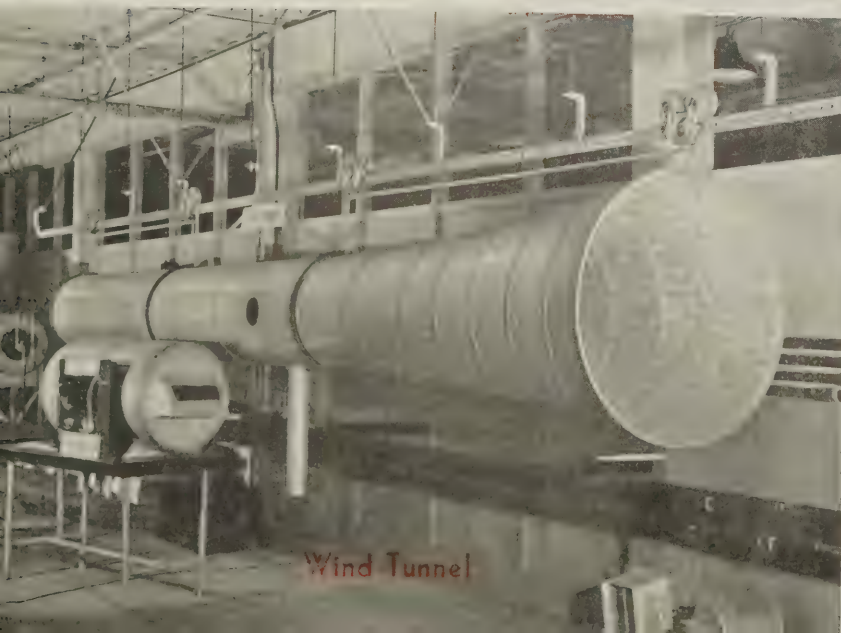
Pictured here is some of the equipment used by the Jamesway research engineers.



The Infiltrimeter is an apparatus for exact measurement of cold AIR and rain inleakage and warm air outleakage through window, door and sill cracks, mortar joints and construction materials found in typical and improved farm building walls; and air flow capacity of intakes, combustion equipment, etc.

The Guarded Hot Box is an apparatus for exact measurement of heat loss through wall, floor, ceiling and roof constructions under various inside temperatures and humidities, and outside temperature and weather conditions.

The Wind Tunnel equipment is used in study and design of ventilator heads, fan blades, eductor or induced ventilation.



In addition to these the Jamesway Research Laboratory is fully equipped with a full automatic controlled Jamesway designed respiration calorimeter for exact incubation and hatching studies; a guarded thermostatically and hygrometrically controlled effective temperature room; potentiometer, galvanometer, electrical meters, pyrometer, anemometers, micromanometers, gas and air analysis apparatus, motorized-psychrometers, analytical balances, calibrated thermometers, and other laboratory standards.



# Keep your barn *warmer* in winter, *cooler* in summer, *drier* the year 'round

The ambition of most dairymen is to have a warm, dry, cheery barn. They look at it almost entirely from the comfort standpoint. But there is a value far greater than comfort. These men are adding to the milk yield of their cows; they are reducing their feed bills; and protecting the health of both man and beast. Whether your barn is new or remodeled, it can be made to give you extra comfort, and extra profit.

"Our barn," says Peter Wildermuth, of East Moline, Indiana, "has been up three years and we have never had any trouble with dampness or frost. When it is 20 degrees below zero we could milk in our shirt sleeves. I am well satisfied with my Jamesway System of Ventilation as it keeps the barn drier and the air better."

It gets down to 40 below up in Brainerd, Minnesota, where Mr. E. R. Lee's farm is located. He writes, "When going down to do the chores I can always pull off my jacket during milking time, it is so nice and comfortable."

It gets cold and windy out in Wyoming, too. From Laramie, Fred Trumbull writes, "Considerable zero weather here and windy. The Jamesway System had a good test. My best

producers freshened last fall and have kept up remarkably well. Cold weather outside affects our operation not a bit. To make money it is necessary to keep the barn warm and dry as possible."

The cost of a Jamesway System of Ventilation is actually less than a home-made system including labor and materials as Ed. Histats, New York Mills, Minnesota, writes, "My barn, Jamesway Ventilated, is a pleasure to work in. I had a home-made system but it cost too much and did not work well."

"Our milk production increased 22 per cent," reported the farm manager of the Glenwood Manual Training School for Boys to the Directors of that institution. "We attribute this increased production to our new barn. Our old barn was not ventilated and it was necessary to turn the cows out to water."

From Charlotte, North Carolina, comes a report of a loss of 10 gallons of milk per day during a cold snap. A herd of 26 Guernseys in Pennsylvania lost 2 pounds per cow per day. It pays to keep cows comfortable.





# Certainly *feed* the good cow *well* but be sure none is *wasted*

It is more than a figure of speech to say that a lot of good expensive cow feed is shoveled right out of doors. This happens in cold, damp, draughty barns every winter. Cows need feed to keep up body warmth, what is left goes to making milk. A lot of feed is wasted in keeping cows warm when it is intended for milk. If you have ventilation, it pays you, if not, you pay for it — many times.

An experienced Guernsey Breeder, Mr. M. T. Phillips, of Pomeroy, Pennsylvania, knows what it means to feed good cows in warm quarters. He says, "My first experience in dairying was in a barn of very old construction, the stabling of which I, myself, designed.

"The condition of this barn made it necessary to build a new one which is now in use for the second winter. The construction and the cubic content of the stabling, together with the ventilating system, was figured out in your engineering department and is most satisfactory. At no time did we have any moisture accumulate on the ceiling or on the ventilating system or any place in the stable. The air moved freely. After cleaning the stables it was but a short time before all odor was gone and I had such indications as these to prove to me that the system was working satisfactorily.

"While the temperature outside varied 29 degrees in twenty-four hours, the temperature in the stable was almost the same, standing about 56 to 58 degrees. This, of course, was very gratifying and I am sure that this condition contributes very greatly to the health of the animals and their ability to produce. The cost of the system together with the labor of putting it in is nothing compared to the benefit derived. The animals certainly are in very much better condition to overcome disease, they do not have to accustom themselves to rapid changes in temperature, they are steadily supplied with fresh air, which, as we know, very largely aids their whole system, especially the digestion, and taking it all in all, this barn construction is a source of very great satisfaction and benefit to me."



At Junction City, Kansas, a herd of 40 Holsteins averaging 10,352 pounds of milk per year has in it individuals that dropped as much as 34 pounds of milk during a cold snap. Warm barns keep up the milk flow and do not waste food.



Feed constitutes a large part of the cost of milk. Feed saved or feed wasted is often the difference between profit or loss. Good dairy-men do not waste feed in a cold barn. Interior view taken at Sycamore Farms, Douglassville, Pennsylvania.



The barn comfortable to the cow, to the extent that feed is not wasted, also provides shirt sleeve comfort for the owner. The thought of benefiting your pocketbook by providing a little comfort for yourself is a bit unusual. The Albert Lasker barn at Deerfield, Illinois, provided this interior view.



Cows do their best in springtime, or at those seasons when weather not unlike spring prevails. It is possible, and more to the point profitable to approximate springtime conditions in the barn during the winter season, as Mr. Philips points out on the opposite page.



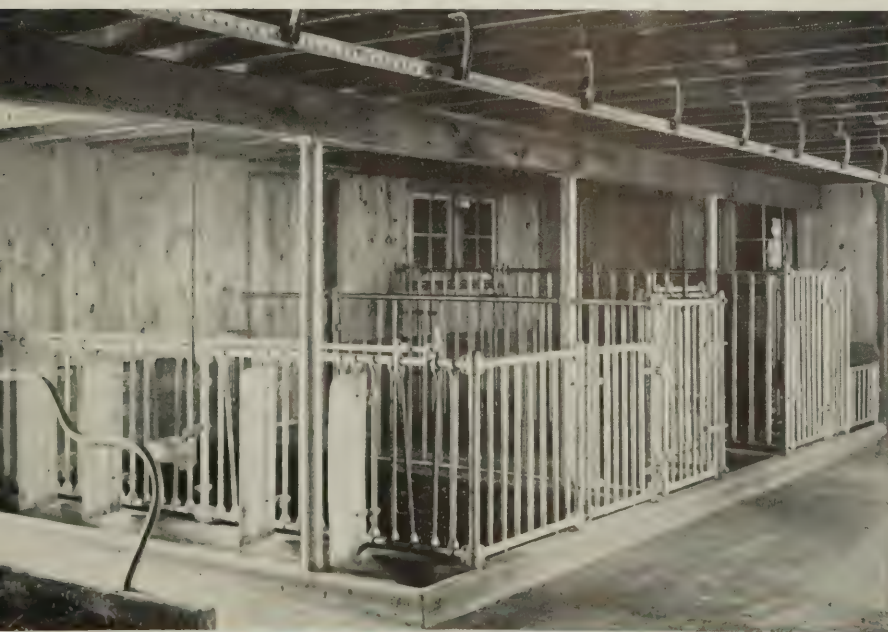




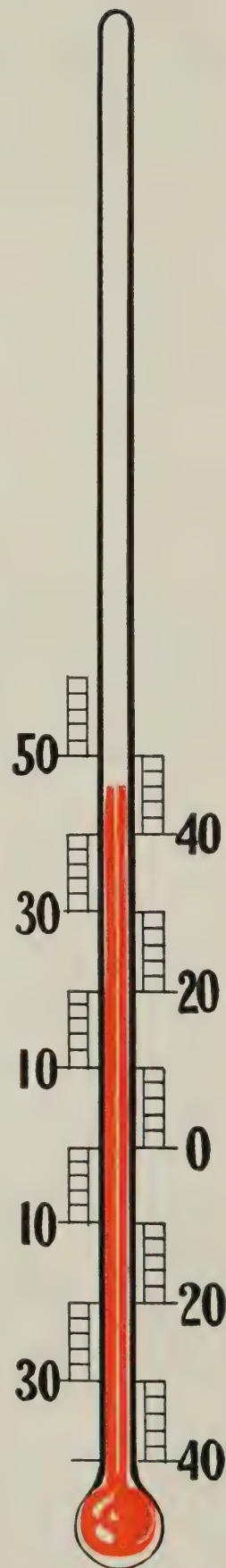
A 100% Jamesway Barn on the Olcott Farm near Elmira, New York. In this barn control over inside conditions that make for maximum production with a minimum feed and labor cost is possible.



Why house cows? Perhaps a fool question. But why? Between the barns shown in this book and the vast majority there is a wide difference. All of them supposedly are intended for some purpose. What purpose? If a little protection is good, why isn't enough better? Interior view of Resthaven Farm, Troy, O.



A view of a barn owned by a Jamesway man. Many Jamesway men own farms. In a recent cow judging contest, conducted by a national publication, three Jamesway men took top honors. Others have entered animals in the dairy shows and won ribbons. Jamesway men believe in barn control.





# Let warmth *lower* your *feed bills* and provide extra *comfort* for yourself

Authorities tell us that it requires twice as much feed for a cow's physical needs at a barn temperature of 32 degrees as it does at a barn temperature of 68 degrees. Cold barns waste feed. There is no denying that fact. Cold barns deny comfort for the owner and restrict the milk yield of his cows. Generally a cold barn also results in a wet barn. It pays to have a warm barn. Warm barns are comfortable and lower feed bills.

"We got more milk last winter than ever before and from fewer cows," says Elmer Keller, of Verdi, Minnesota. "The barn was dry and comfortable. It never went below 48 degrees inside the barn and it was down to 20 below outside. We had pure, fresh air all the time, too. I wouldn't be without it for anything now that I know what it will do for me."

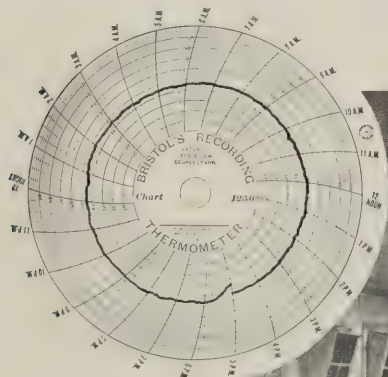
"The cows have increased from four to six gallons a day, some people might say this is not true, but I," says G. C. Kear, of Frostburg, Maryland, "have experienced it and I want to advertise what a ventilating system will do."

"We have 22 cows in the Cow Testing Association all averaging over 40 pounds a day," writes Mr. E. Johnson, from Hopkins, Minnesota. "Our sales depend upon having clean,

safe milk. Jamesway Equipment helps us get that, and we are interested in cows that produce well and make us some money at the pail. It pays to keep cows comfortable. They need good air. I wouldn't be without the Jamesway ventilation in our barn."

And to sum it all up, William Erk, Starrucca, Pennsylvania, says, "I am more than pleased with my Jamesway Ventilation. The air is fresh when you go into the barn. Cows do better on less feed and I do think the barn is a good deal warmer than before."

"We installed a Jamesway Ventilation System in our horse barns in the city of Buffalo where we keep 150 horses, because it worked so well in my cattle barns last winter," says F. L. Hall, of Buffalo, New York. "I would not build any kind of barns without ventilation."



Shirt sleeve comfort in the barn in winter means more money in the pocket at the end of the year. You can have this in old barns as well as new. Interior of Model Farm barn at Mundelein, Illinois.







Dairymen need not be scientists to know that a good cow needs air, lots of it. One observation of those large nostrils, deep lungs, and distended blood veins should be enough to set the observer to opening windows. Nature did not put these telltale characteristics on a cow for looks. They were put there for a purpose.



As the producing ability of dairy cows is developed the characteristics of a need for air grow more and more pronounced. A few dairymen have discovered a close connection between the cow's need for fresh air and milk pail results. Those who have are profiting by the discovery.



There was a time when tuberculosis among dairy cows was quite unknown. That was before we began shutting them up in tight stables, compelling them to breathe foul, stagnant air over and over. As long as this condition exists there will be bovine tuberculosis. Vigor, vitality and constitution need fresh air for support.





# Every ear mark of a good cow *pleads for fresh air ...more fresh air*

**You cannot go against nature and not suffer the consequences. You cannot shut a good cow up in a tight unventilated stable, keep shoveling feed into her and expect her to produce and reproduce at her best. You cannot ignore the significance of a cow's characteristics and not suffer for it in the end.**

Watch the judges of dairy cattle at work. What do they look for first? Isn't it constitution, vitality, vigor, capacity?

And what are the earmarks of constitution, vitality, vigor, capacity? Aren't they large, well placed nostrils; a big heart girth; deep, full lungs; and capacity for feed intake?

Large nostrils, a big heart, and deep lungs are significant. They are indications which we can see with our own eyes, of the needs of that animal for fresh air. Air to give her that vitality she needs to produce milk and reproduce her kind.

Vitality is the quality that wins horse races and makes milk records. But a race horse can't win with a sponge in his nostrils, nor can a cow make records in a tight, foul, overcrowded stable.

What good is it to a cow with capacity for

the intake of fresh air with which nature has endowed her if she is stabled in an unventilated barn, where the air reeks with impurities, heavy with moisture and breathed over and over again by herself and her stable mates?

A producing cow needs just as much air in the barn as she would get out of doors. She needs more, because we feed her more. She needs air to digest and assimilate her feed, to turn that feed into heat, repair her body, and make milk. She needs air to purify that large blood stream of hers. She needs air to build up a health barrier against disease.

A cow is a hard working animal. She needs air more than any other living creature. If the barn is tight enough to keep her warm, it is tight enough to keep fresh air out and foul air in. Under such circumstances she cannot make use of those qualities the Almighty gave her. Give her enough air.

The Jamesway Ventilation System does more than supply fresh air. Properly installed it keeps barns warmer in winter, cooler in summer, drier the year around.





# *Make fresh air a part of the feed ration*

## *Air more important than food or water*

Air, water, and food are the three great essentials of animal life. Of the three, air may be considered the most important. Food is the fuel that keeps the body engine running. To burn that fuel fresh air is just as necessary as a draft is necessary to keep the furnace fires burning. The blood stream is purified in the lungs and nothing in the world will do it but fresh air.

A cow can live for six weeks without food, for six days without water, but she cannot live for six minutes without air.

A cow needs just as much air in the barn as she does if she were out of doors.

She needs air to properly digest and assimilate her feed and to turn that feed into heat, body repairs, and milk. She needs it also to build a barrier of good, sound health between herself and disease.

It is utterly impossible for a cow to produce the largest amount of milk of which she is capable and at the same time maintain her health and vitality unless she is as equally well provided with air as she is feed and water.

Progressive dairymen realize full well these great truths. It is plain to them that they pay

for the lack of ventilation in sick, diseased cows; in restricted milk yield; in unpleasant, unhealthful working conditions; in buildings deteriorating from excessive moisture; in soured grain and mildewed hay.

These men realize that cows produce better where there is adequate ventilation. They know too, there are personal comforts and conveniences that result from ventilation.

A word from G. C. Kear, Frostburg, Maryland, is typical,—“No smell in the barn now. The cows have increased in milk from 4 to 6 gallons a day. Some people might say this is not true, but I have experienced it and I want to advertise what a ventilating system will do. The cattle enjoy the fresh air and it is a pleasure now to work in the barn.”

How much air does a cow need? A cow needs as much fresh air as nature provides for her out of doors.





Ventilation is much more than a cupola on the roof connected to the stable by a flue. A lot of inexpert advice on the subject has been costly to many farmers. The best advice is, seek competent counsel.



Ventilation is an "Air Condition" within the stable. It involves among countless other matters (1) temperature, (2) humidity, (3) air movement, (4) adequate heat, (5) adequate conservation of heat, (6) air inleakage, etc.



Ventilation is an individual problem. No set rule can be laid down to cover any building or group of buildings. It can be studied and prescribed for only after a personal inspection has been made by one who is experienced.



Jamesway Ventilation is a condition within the barn which promotes the health of the stock, increases production, and reduces feed costs. It adds greatly to the comfort and convenience of the operators and prolongs the life of the building.







The visible aspect of adequate ventilation is a drier barn. The time will come when the layman will be able to tell from exterior appearance whether or not a barn is adequately ventilated, as is this barn belonging to E. E. Martin, of Goshen, Indiana.



The most inexpert can tell when he steps into a stable whether or not it is adequately ventilated. The absence of heavy barn odors, dry walls and ceilings, bright-eyed cattle, are obvious indications of adequate ventilation.



A barn need be neither fancy nor costly to have those things essential to the promotion of health and production. Many old barns have been made to serve every practical purpose for a very moderate sum, paid back many fold in cash dividends.



# Why is my barn damp?

## Hundreds of dairymen ask this question

“I want to overcome three bothersome features in my barn,” writes one man, “they are, frosted walls, wet ceilings, and foul air.” Another inquires, “The cattle are steaming in the morning, what can I do?” Another man writes, “Our barn is so damp that water runs down the walls.” These excerpts from letters are samples of similar letters we receive every year. The answer to all of them is adequate ventilation.

Inadequate ventilation, inadequate animal heat, and inadequate conservation of animal heat are the causes of wet, damp, clammy barns.

It is as simple a matter to set down the causes of wet barns as it is a difficult matter to give a recipe that will prove a standard cure for all wet barns.

The principles upon which Jamesway Ventilation is founded are constant. Yet no two barn conditions are alike. So the ventilation of each is an individual problem to be worked out for each on a basis of scientific knowledge gained from extensive experimental work and wide practical experience.

Any set of general instructions which might govern the ventilation of barns would be practically worthless. They might happen to work

out in a few instances and fail in a hundred others.

It is for these very reasons that ventilation is often condemned. Someone gets ahold of a bulletin that purports to tell how to install a ventilation system. Nine times out of ten it fails and legitimate ventilation is considered worthless.

If you have a wet barn or are otherwise having difficulty, you can have the personal services of a Jamesway man to determine what is wrong. It won't cost you a cent to satisfy yourself as to where the trouble is. Neither will you be under the least obligation to buy anything.

There is a Jamesway man in your neighborhood and he will be glad to drop in when he is near by and look your barn over.

Here is an every-day farm barn, bright, airy, cheerful, warm, dry and comfortable. It need not cost more than those barns which are much less modern. Planning is the secret.





# Keep your barn *drier* the year 'round with Jamesway Ventilation

A single cow will throw off through her skin and breathing system from 10 to 20 pounds of water vapor a day. In a herd of 30 cows this will amount to about two barrels of water let loose each day in the barn. Unless adequate measures are taken for removing this excessive amount of moisture the air in the stable becomes very humid and a wet barn is the result.

There is always some moisture in the air. And some moisture in the air is necessary to human life. Air that is too dry is probably as harmful as air that is too heavily laden with moisture. When barns are spoken of as "dry" or "drier" the term is a relative one. What is meant by "dry" or "drier" is that the barn is free of excessive moisture.

To have a barn free from too much or excessive moisture three things are absolutely essential:

First—Adequate Ventilation.

Second—Adequate animal heat.

Third—Adequate conservation of animal heat.

The proper correlation of these three factors will bring about a "drier barn" and at least five other major benefits besides many

minor ones. The major benefits are: First—A warmer and more comfortable barn in winter. Second—A cooler barn in summer. Third—A barn freed from excessive moisture. Fourth—a barn in which the animals will be provided with the necessary supply of fresh air. Fifth—A stable freed from heavy, foul odors.

These benefits are best told by dairymen who have actually experienced them. "Conditions for production are now ideal," says C. C. Pratt, of Mankato, Minnesota, "no bad odors but always sweet and fresh. We have no trouble with moisture."

"It is cold here in Maine," writes Mr. Foote, from Oakland, "sometimes 20 to 30 degrees below zero, but with Jamesway Ventilation there has never been any frost or moisture anywhere."



If dairymen only realized how easily and moderately old barns could be fixed over there would be more drier, warmer and sweeter barns.



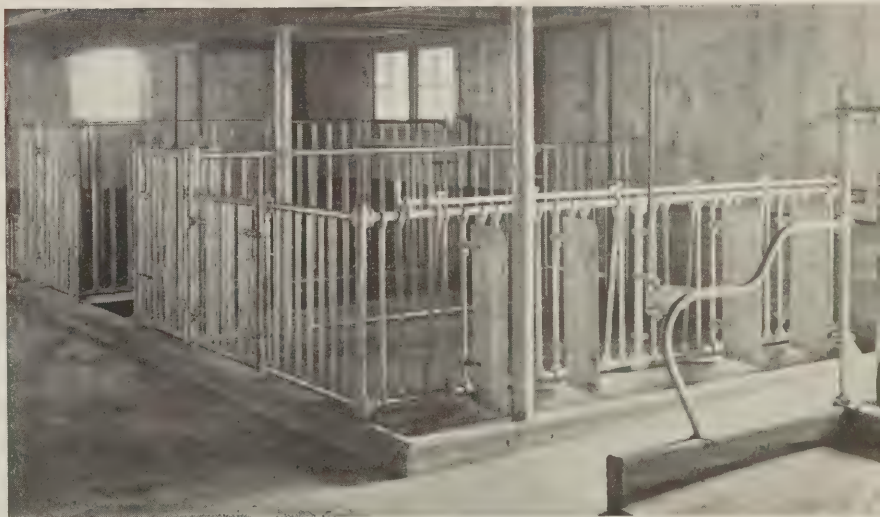
Just a good substantial farm barn that will last longer than the average because it is freed from excessive moisture that rots and destroys.



Nothing elaborate, and yet containing everything for the promotion of health, increased production, and a reduced labor and feed bill.



A calf pen, cow pen, and bull pen, automatic water cups in each, and adequate ventilation. Somewhere in the background a happy farmer and contented cows.



Stall for cow comfort—manger divisions for correct feeding—water cups and fresh air to promote health and increase production—litter carrier and feed truck to save miles of walking—sunshine, warmth, good drainage—all Jamesway.





# Just because you have an Old Barn Don't say you can't enjoy these comforts

Not only can old buildings be made warmer, drier, and more profitable, but these benefits can be just as satisfactory as if the building were new. There is really no good reason why a person should build a new barn if he has an old barn that can be reclaimed. Usually alterations can be carried on with little or no disturbance to the stock. If you are troubled with a cold, wet, drafty barn that is otherwise in fair condition, call in the Jamesway man.

Warmer  
in  
Winter

Cooler  
in  
Summer

Drier the  
Year  
'round

In the heart of every dairyman there lurks a dream of a new barn. The barn is to be built just as soon as the ship comes in. But the ship is slow in making port. Sometimes it is delayed.

Maybe you have dreamed this dream of a new barn. If you have and you have an old barn, take hope. Maybe you have lived and worked in the old barn so long it looks past redemption. You know it by heart, all its weaknesses and shortcomings. Yet, you have a certain sense of loyalty toward it.

Listen — "Ours was an old ramshackle sort of barn built long ago," says a Jamesway friend. "We were handicapped for storage room, our cows were cramped and suffered from foul, damp stable air and lack of sun-

shine. The boys continually complained of the unhandiness that made doing the chores drudgery. One day one of the boys was over to see a neighbor barn that had been fixed over. He came home with some ideas. We sent for the Jamesway man. Today we have a barn that is as good as any in the neighborhood, at just a fraction of the cost of a new one. Our cows have given more milk this winter and we have not fed them any different. The moisture, steam, and foul odors are gone. We have sunshine and fresh air. The temperature seldom goes below 45 degrees even when it is 20 below outside. And more than all else, we still have the good old building in which we have all lived and worked for so long, good now for another generation."

More  
Milk



Less  
Feed



There was much talk of new buildings during the boom days. Folks overlooked the good in the old barn. Here is one that was not overlooked. It looks fine outside, and is all that can be asked on the inside, as the last picture on the page proves.



Anyone would be proud and happy to own this old stable fixed over with its new stalls, cups, pens, and ventilation. Now it is warm and dry, cheerful and comfortable.



130 years old and looks good for another century. Who says the old cannot be made as good as new. Jamesway helped make this interior over for Charlton Yarnold, of Newtown Square, Pennsylvania.



Interior of the Davenport Home barn at Bath, New York, the exterior shown at the top of this page. What more could a man ask than this old barn made over to be warmer in winter, cooler in summer, drier the year round.







*Presents*  
*The Octo-Blade*  
• *electric* •  
*Fan Ventilation*  
*3 Systems*

- *Eductor*
- *Vertical*
- *Side Wall*



Jamesway Planned, Equipped and Ventilated Dairy Barn, Hog House, and Poultry House on the farm of Henry Kiel, Janesville, Indiana.



*Moves More Air  
Lower Operating Cost  
Quieter in Operation*

*Motor Floated in Rubber  
Stainless Steel Fan Blades  
Square Mounting Plate*

*High Efficiency  
Fully Enclosed  
Fan Duty Motor*



Farmstead of Odin Odegard, Princeton, Minn., Jamesway Equipped and Ventilated Farm Buildings in background.



# *A New Principle of Ventilation*

## *Gravity Ventilation*

### *with fan booster*

Patents Pending.

Jamesway presents Eductor Ventilation, a new and greatly improved method of ventilating stables, poultry and hog houses which outstrips anything yet offered in ventilating systems.

This new system developed and offered exclusively by Jamesway combines for the first time the positiveness of the forced draft power driven systems with the economy of natural or gravity ventilation.

Eductor Ventilation is, in fact, two systems combined—gravity ventilation plus fan ventilation.

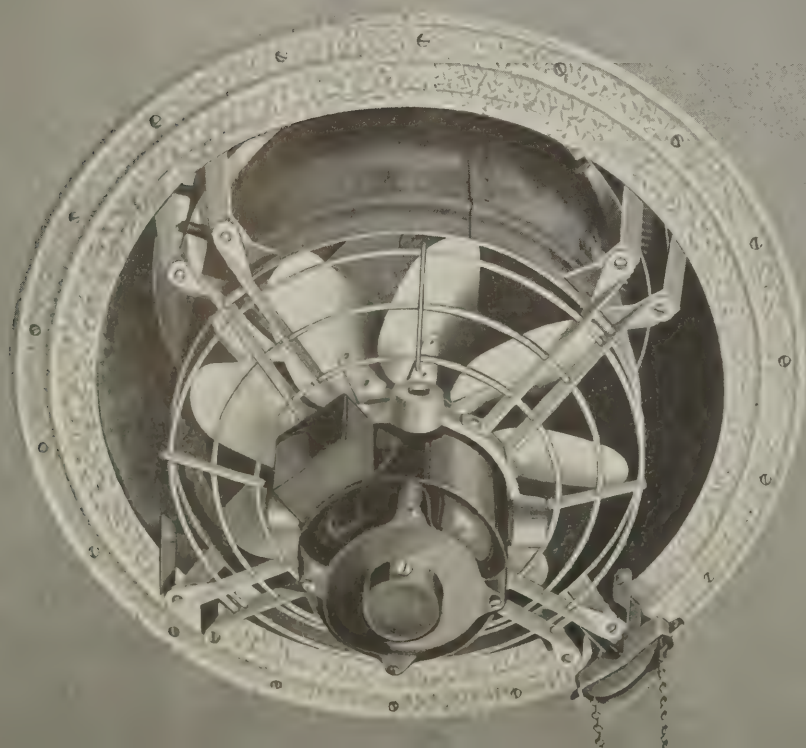
With Eductor Ventilation, the gravity system is functioning at all times. The power driven fan is brought into use only when atmospheric conditions are such that the gravity

system is retarded or slowed down and it becomes necessary to force the movement of air.

Eductor Ventilation differs from ordinary electric fan ventilation in that the motor or motors do not require continuous operation to have constant ventilation. It differs from gravity ventilation by supplementing the latter with an electric motor driven fan to be used for speeding up the gravity system when needed.

The advantages of eductor ventilation are immediately apparent. Large savings in current consumption are effected through the use of the Eductor System. Savings of 50% or more have been reported. Adequate air movement is had at all times at the lowest possible cost. Only Jamesway has the Eductor System.

A complete unit, designed to do a specific job, and to stand up in the doing of it.





# The Jamesway *Eductor* System

## *General Specifications*

Patents Pending.

The standard Eductor unit consists of a galvanized thimble about 24 inches long with a  $4\frac{1}{4}$  inch ceiling or facing flange. The outer thimble, which provides for the gravity ventilation, is 19 inches in diameter. The inner thimble, providing for fan ventilation is about 13 inches in diameter.

Motor, fan, guard and brackets are attached to the lower end of the thimble. The upper portion of the thimble supports an aluminum anti-back drafting damper which may be set at any desired position, through the use of a hand chain.

Power is supplied by a high efficiency motor built specifically for fan ventilation and directly connected to an eight-bladed fan, the blades of which are made from stainless steel, scientifically formed.

The motor is floated in the supporting ring by four live rubber inserts. The live rubber suspension gives quietness in operation, reduces vibration and eliminates the drumming effect experienced with fans mounted in the conventional manner.

The standard unit is manually operated, switching off and on by hand when needed. The unit is also available with a thermostatically operated automatic control with necessary switches and overload breaker.

Motors are available in 110-220 volt, A.C., 60, 50 or 25 cycles. In D.C. motors may be had for 110 or 220 volts.

All motors are fully enclosed, high efficiency type, made specifically for the heavy duty operation of ventilation fans.





# Jamesway *Side Wall* Ventilating Unit

## for *horizontal discharge*

Patents Pending.

For side wall installations or horizontal discharge we offer the most efficient side wall fan unit ever turned out by Jamesway. From its powerful high efficiency motor to its eccentrically operated anti-back draft dampers this unit is built for dependable performance at the lowest cost of operating a side wall unit.

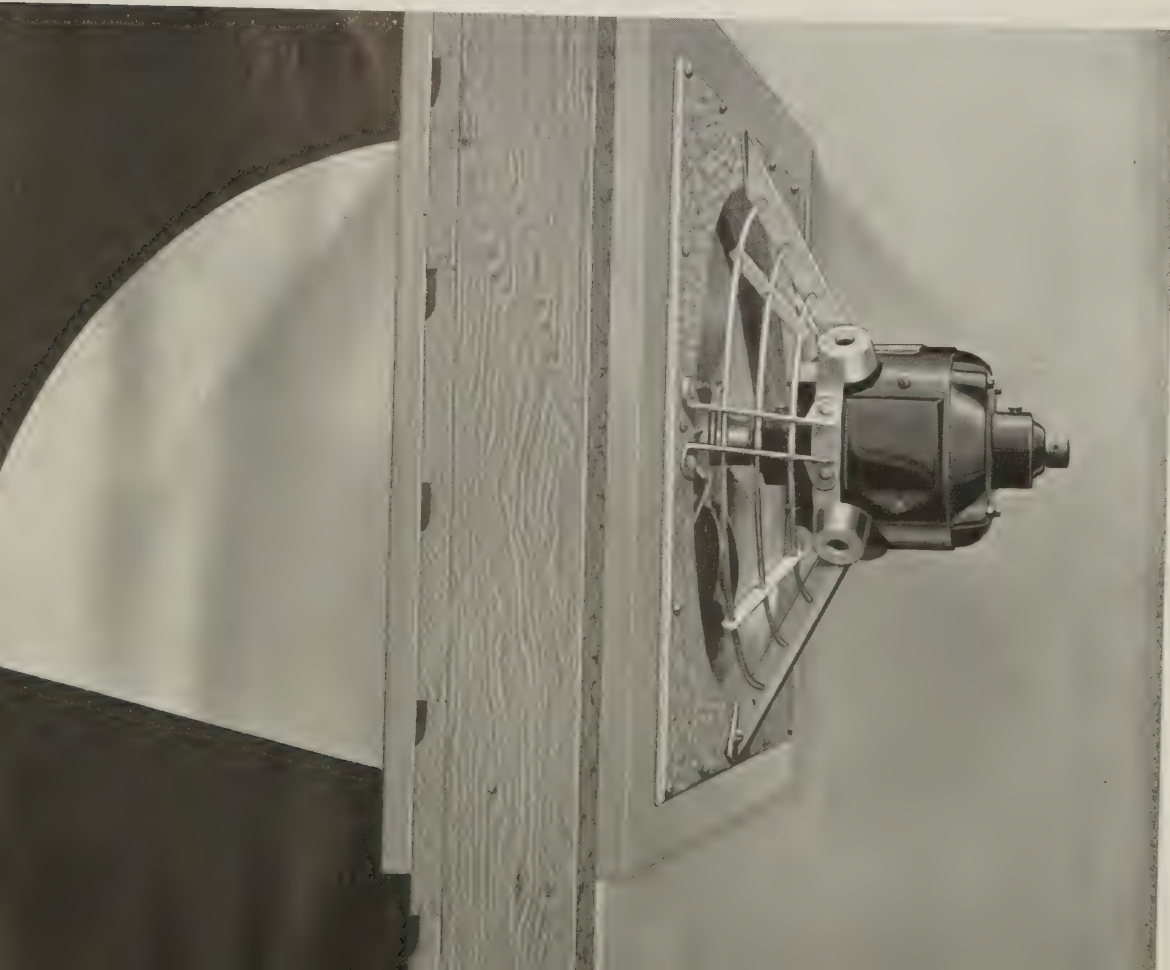
The square mounting plate and the eight-bladed stainless steel fan are Jamesway developments as are the floating motor and eccentrically operated anti-back draft dampers. The unit was very definitely designed for quick easy installation and rigidity when in operation.

An outstanding feature of this unit is had in the new non back-drafting damper operated on eccentric lifting struts offering a minimum

of resistance to air flow, tightness against infiltration and quietness during idle time.

The whole assembly is guarded against rust and exposure through the use of hot galvanized sheet metal, stainless steel fan blades, bronze bearings, alloy rivets and a fully enclosed motor in baked enamel finish.

The unit fits between studding set to the conventional 16 inches on centers, and, therefore, requires no cutting of studs or the forming of circles for installation in frame walls. In masonry walls a simple square frame laid up in the wall is all that is needed. No arches or circular forms are called for and no brick or stone to cut or lay up in a difficult manner. Jamesway Electric Fan units are designed for quick, easy, inexpensive and yet practical installation.



Cutaway view showing both weather hood and fan motor unit. Under face of weather hood covered with bird-proof grill.



# Side Wall Fan Assembly

## *General Specifications*

Patents Pending.

This assembly consists of a 4 inch wall thimble 13 inches in diameter fitted to an 18 inch square mounting plate with motor, fan guard, motor support brackets and non back-drafting damper mounted in position.

A 26 gauge galvanized storm hood, bird proofed with small mesh galvanized wire is available for installations needing protection from the weather.

Power is derived from a high efficiency motor specifically designed for electric fan ventilation and directly connected to an eight-bladed stainless steel fan, scientifically formed to give maximum operating efficiency.

Motor is floated in the supporting ring with four live rubber inserts and secured to the mounting plate by resilient brackets. The whole mounting gives quietness in operation,

reduces vibration and eliminates the drumming effect so noticeable in fans mounted in the conventional manner.

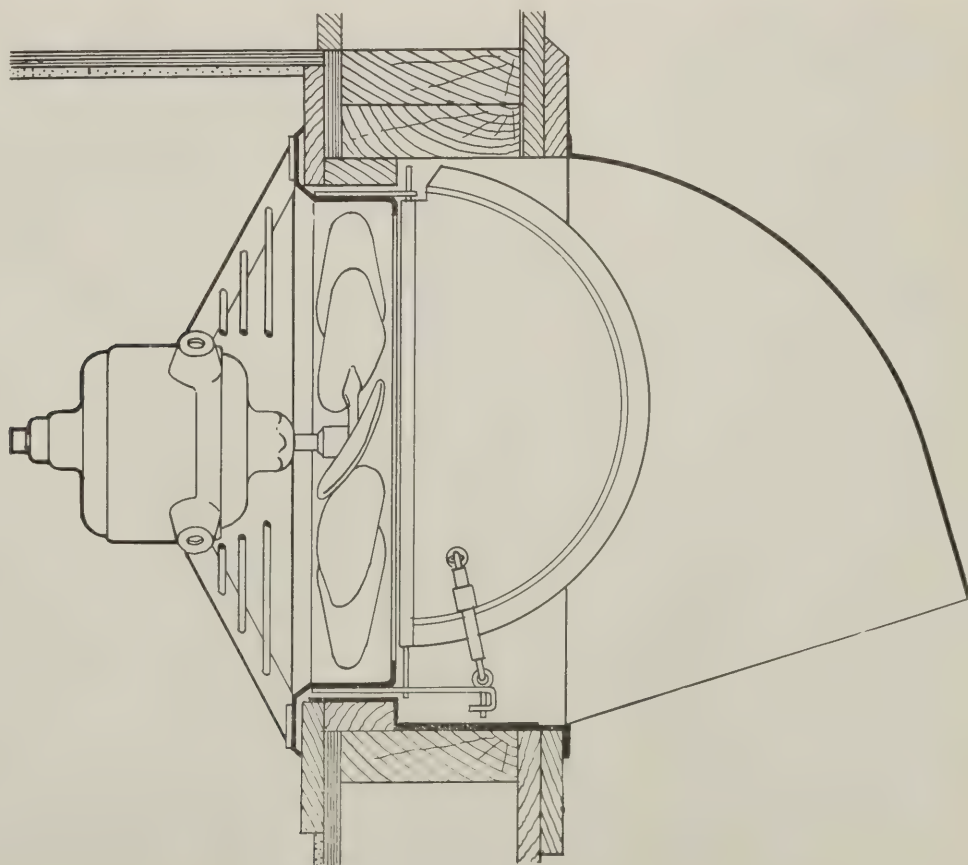
The standard unit is manually operated, being switched off and on by hand when conditions require. Automatic operation with thermostatic control is available together with the necessary switches and overload breakers.

A cross section side wall installation on this page shows the simplicity of installation and details of the assembly are clear.

Motors are available in 110-220 volt, A.C., 60, 50 or 25 cycles. In D.C. motors may be had for 110 or 220 volts.

All motors are fully enclosed, high efficiency type, made specifically for the heavy duty operation of ventilation fans.

Cross section drawing showing simplicity of installation. Damper shown open in operating position. Operates automatically when fan is turned on and off.



# Jamesway Ceiling Fan Unit

## *for vertical discharge*

Patents Pending.

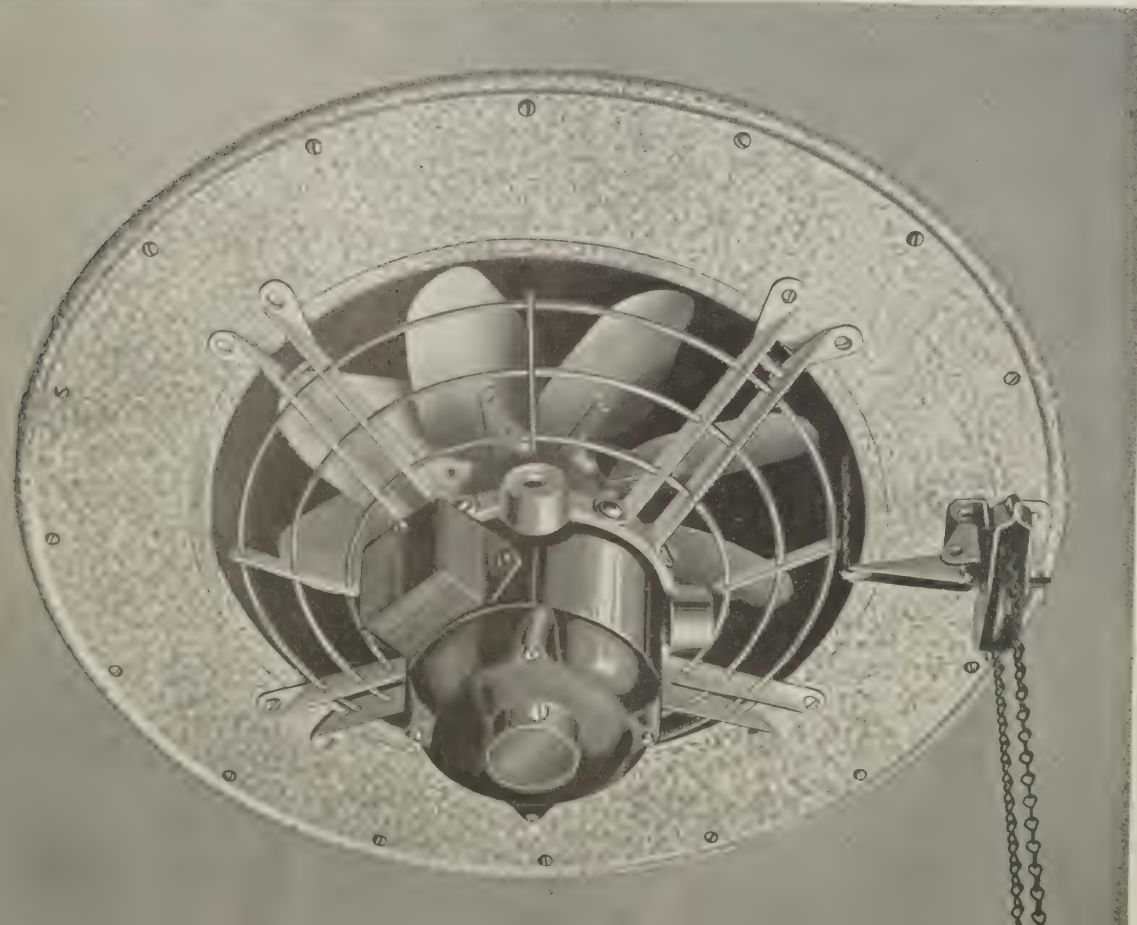
In our new 1935 ceiling unit we offer a ventilating fan for vertical discharge that is unequalled for this purpose. Jamesway ventilating fans have an enviable reputation for dependable performance. This model has greater air moving capacity than any previous model. It costs less to operate. Vibration noises and the drumming effect have been reduced to a minimum.

Too often a ventilating system is selected without enough thought being given to the work that is to be done. A ventilation system, if it is to do what is intended, must function almost continuously.

The average cow passes large quantities of tidal air through her lungs every 24 hours.

This night and day job of supplying a herd of full grown cows with the amount of fresh air necessary to maintain them in good health and production is one that should not be left to inadequate equipment.

Jamesway is perhaps better equipped by training and experience to know what that job is and how it should be done. And Jamesway Ventilating Fans are built with a full realization of the job in hand. That is why this ventilating fan and all Jamesway ventilating fans have been built to perform dependably day in and day out and to do the job better than it has ever been done before at less cost and with the least aggravation from vibration and drumming noises.



A complete ceiling unit designed for continuous fan ventilation.



# Ceiling Fan Assembly

## *General Specifications*

Patents Pending.

Our standard ceiling fan assembly consists of a galvanized thimble about 24 inches long with a  $4\frac{1}{4}$  inch facing flange.

Motor, fan, guard and brackets are attached to the lower or ceiling end of the assembly. The upper portion supports an aluminum anti-back-drafting damper operated by a hand chain which allows setting the dampers at any desired position.

Power is supplied by a high efficiency motor built specifically for continuous fan ventilation and connected direct to an eight-bladed fan of stainless steel, scientifically formed for most efficient delivery of air.

The motor is floated in the supporting ring by four live rubber inserts. Together with a resilient bracket support the rubber suspension gives quietness in operation, reduces vibration

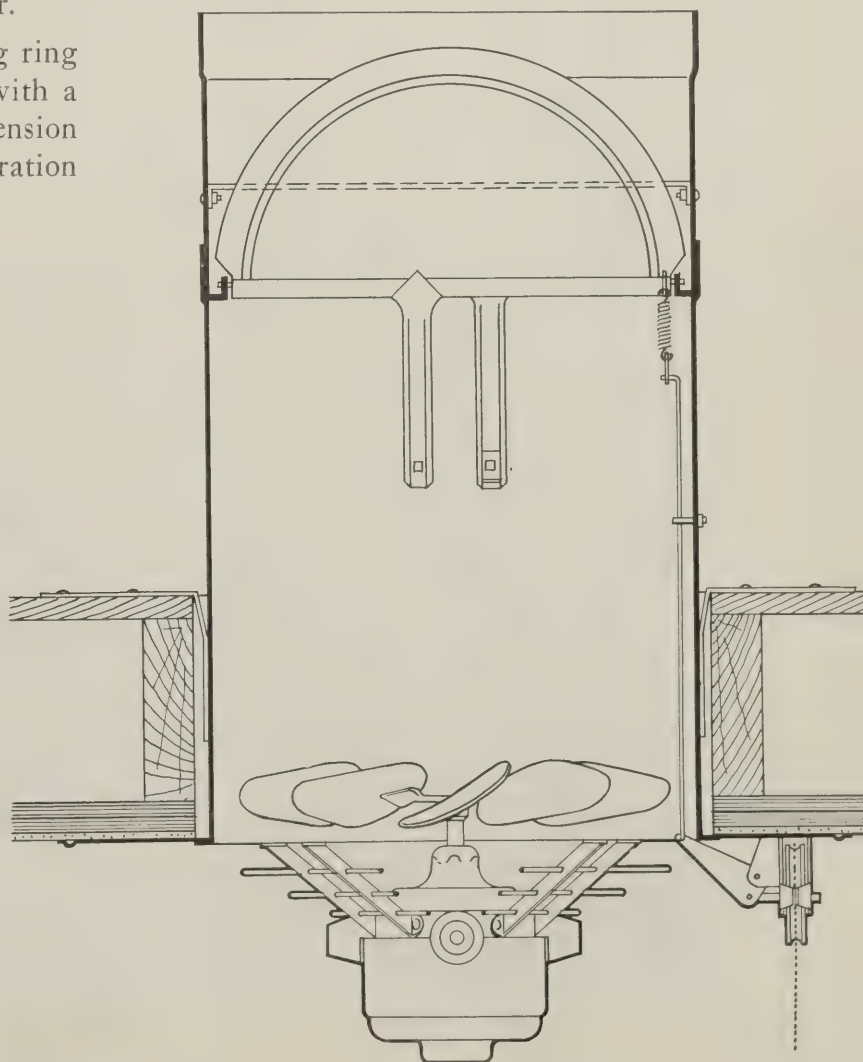
and eliminates the drumming effect of fans mounted in the conventional manner.

The standard unit is manually operated by use of hand switches. The unit is also available with automatic thermostatic control, overload breaker and switches.

Motors are available in 110-220 volt, A.C., 60, 50 or 25 cycles. In D.C. motors may be had for 110 or 220 volts.

All motors are fully enclosed, high efficiency type, made specifically for the heavy duty operation of ventilation fans.

A cross section showing installation of ceiling fan unit. Anti-back drafting damper operated by hand chain. Dampers shown in open position.



# New temperature control..*thermostatic* Maintains uniform stable comfort

Severe drops in temperature react on milk production. They may also be harmful to the general health of the herd. Excessively hot days lower production. Unless precautionary measures are taken to offset extremely high or low outside temperature from affecting the stable temperature, heavy losses in milk production may occur.

By means of our new Thermostatic Control Unit the fan motor is shut off automatically when the temperature in the stable drops below a certain desired point. The fan motor is again started when the temperature rises above this point.

Thus, if the barn is adequately insulated and stocked, the inside temperatures may be maintained within a desired range under normal winter weather conditions when equipped with our new Temperature Control Unit.

The thermal element, which throws current on and off, is exposed to the atmosphere so that it is very sensitive to temperature changes. A feature the value of which should not be overlooked when considering automatic temperature control.

Jamesway Engineers have further improved Thermostatic Control by building into each Thermo Control Unit a heavy-duty switch with an auxiliary bypass switch for manual control. If for any reason the operator wishes to start the fan motor independent of the control, he uses the bypass switch. A unique feature of this unit is a Neon Signal Light which warns the operator when he is responsible for the operation and not the automatic control. These special features are all exclusive with Jamesway and available only in Jamesway Systems.

An Overload Breaker is also an integral part of our Thermostatic Unit. Should the motor become dangerously overloaded due to neglect or other causes, the circuit will automatically break and shut off the current to the motor.

## Overload Breaker Unit

Where the Thermo Control Unit is not supplied, a Manual Switch and Overload Breaker (illustrated below) is furnished to control and protect the motor. This switch and breaker is not equipped with pilot light.





# New Modulating Air Intake

## New Uniflow Air Intake

Patents Pending.

To understand the workings of the Jamesway Modulating Intake, keep in mind the cracks and crevices under and around doors and windows. Bear in mind also, there are no automatic devices on these cracks to close off when the wind blows. The harder the wind blows the more noticeably these cracks leak air.

The new Jamesway Modulating Intake is the only intake that automatically compensates proportionately for air inleakage from all sources including that which leaks through, under and around doors, windows, cracks, and crevices.

The new Jamesway does the whole job — not just part of it. It automatically controls the volume of air passing through a reasonably well built barn and it is the only intake that does. Figuratively speaking, it puts an automatic device on every crack and crevice. Actually it compensates for this air inleakage — automatically after it has been adjusted for volume.

### New Uniflow Intake

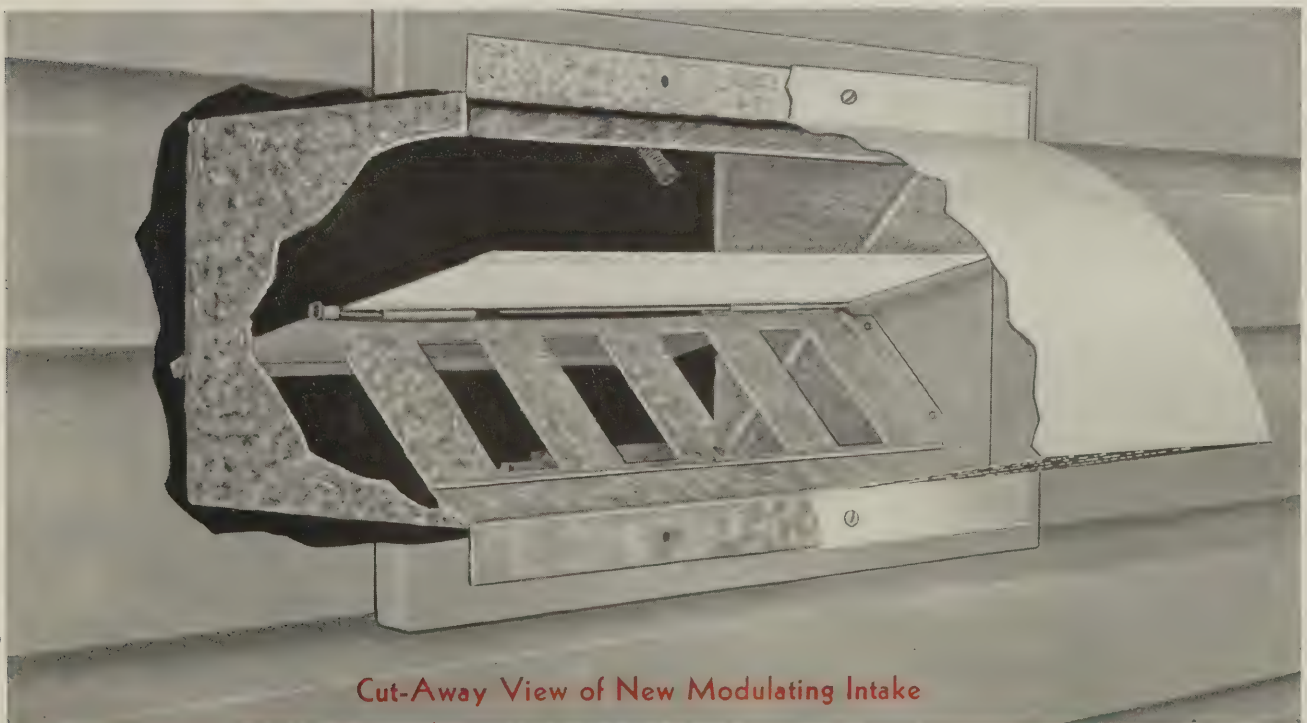
Uniflow Intakes are designed to operate under any condition and may be installed at any time.

Illustration at bottom of page 59 shows one of several types of installation. Uniflows are practical and may be depended upon for satisfactory service the year around.

The aluminum door allows the air to enter, but stops back draft. It is hung on bronze bearings. There is absolutely nothing to rust or wear out.

This door is controlled by a single chain. Just a slight pull on the chain allows the door to open wider, to permit more air to enter. When the chain is released entirely a heavy spring closes the door, preventing air from entering.

Jamesway Intakes are made from high quality copper-bearing steel sheet galvanized. The dampers are of aluminum, balanced on steel-to-bronze bearings. Felt strikers on edges of blade muffle metallic sounds and reduce leakage. The blade is anti-back drafting, closing automatically against back pressure. Adjustment for volume is made by means of a chain, for opening and closing. Furnished in three assembled units, the Intake Box containing damper; an Outdoor Weather Hood, bird proofed and flashed; and an Insulated Deflector.



Cut-Away View of New Modulating Intake

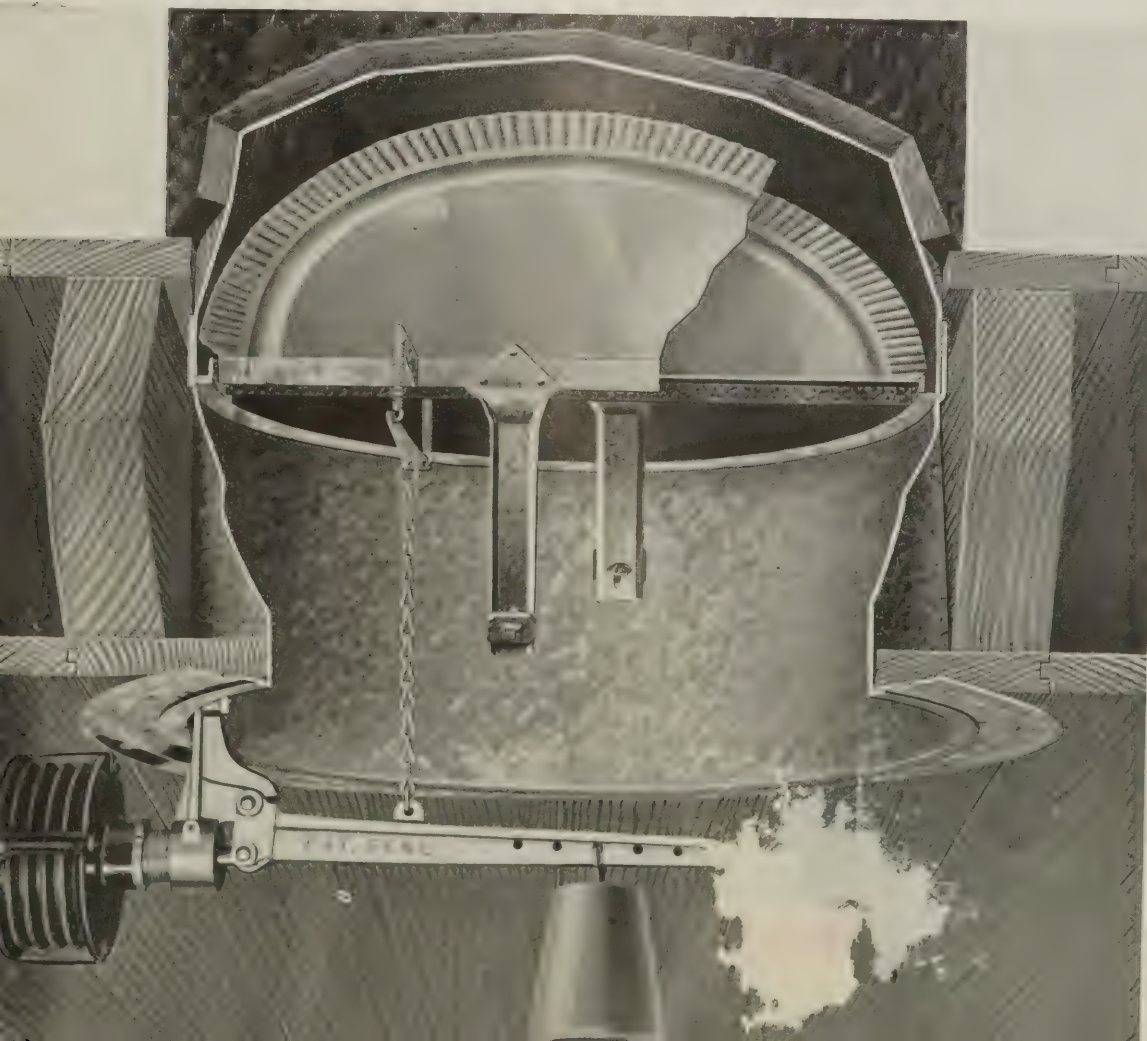
# New Thermo Motor Outtake Control for Gravity Ventilation System

Patents Pending.

This new member of the Jamesway family of products is for use with gravity systems only. It consists of our regular gravity ceiling thimble with butterfly dampers operated automatically by a Thermo Motor. This motor requires no outside source of power other than the heat generated within the building. The dampers open as the barn warms allowing more air to flow through and cool the room; as the barn cools the motor closes the damper, cutting down the flow of air through the building. Thermo Motor is made for a 40-50 degree range with a lever arm and counter-balancing weight for coarse adjustment. This new unit is especially well adapted for use with our Uniflow Intake shown at the bottom of the next page.

Dampers are of aluminum, butterfly type, anti-back drafting, working independent of motor against down drafts in the flue. Blades nicely balanced on steel-to-bronze bearings. The entire unit, except motor and damper, are hot galvanized. Sheet metal copper bearing and galvanized.

From a stable where twenty cows are housed, over sixty-eight tons of air must be taken out, and over sixty-eight tons of fresh air brought in every twenty-four hours, if the cows are to enjoy approximately the same conditions under which they are able to maintain health and production when out-of-doors. A producing cow needs just as much fresh air in the barn as out-of-doors. A cow is a hard working animal. Give her plenty of fresh air.



Phantom view showing Thermo - Motor and method of automatic operation of butterfly anti-back drafting dampers. Also method of installing ceiling thimble and upper outtake flue.



## New Manual Control (Outtake)

Patents Pending.

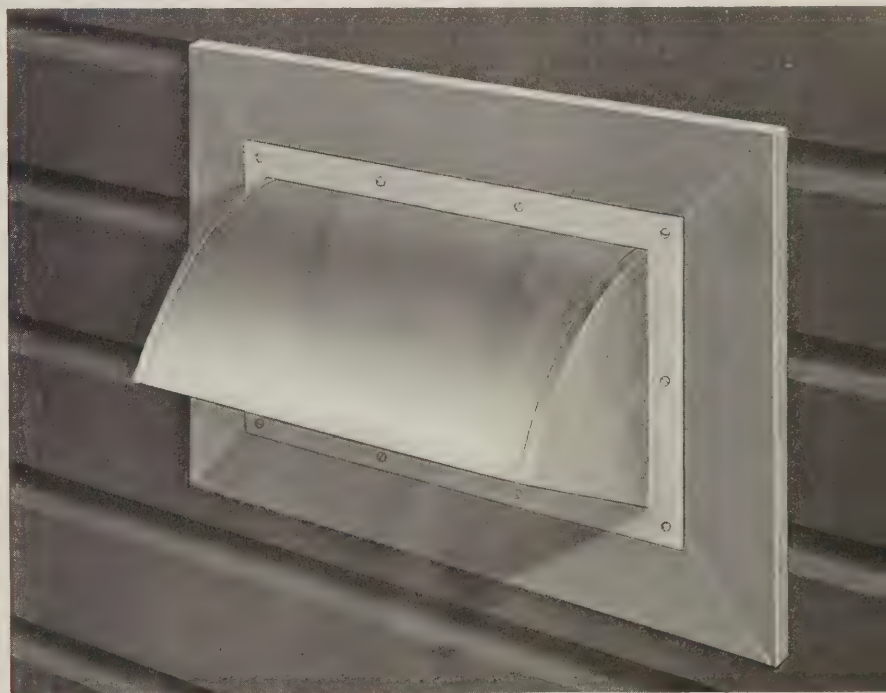
Provides operator a new handy means of adjusting outtake flues during severely cold weather. Controlled by hand chain operating a micrometer thread adjustment. Aluminum dampers balanced on knife-edge bearings. Sensitive against back draft. Phosphor-bronze tension springs relieve tension on aluminum blades. Other parts galvanized. Used with gravity systems only.



## New Weather Hood

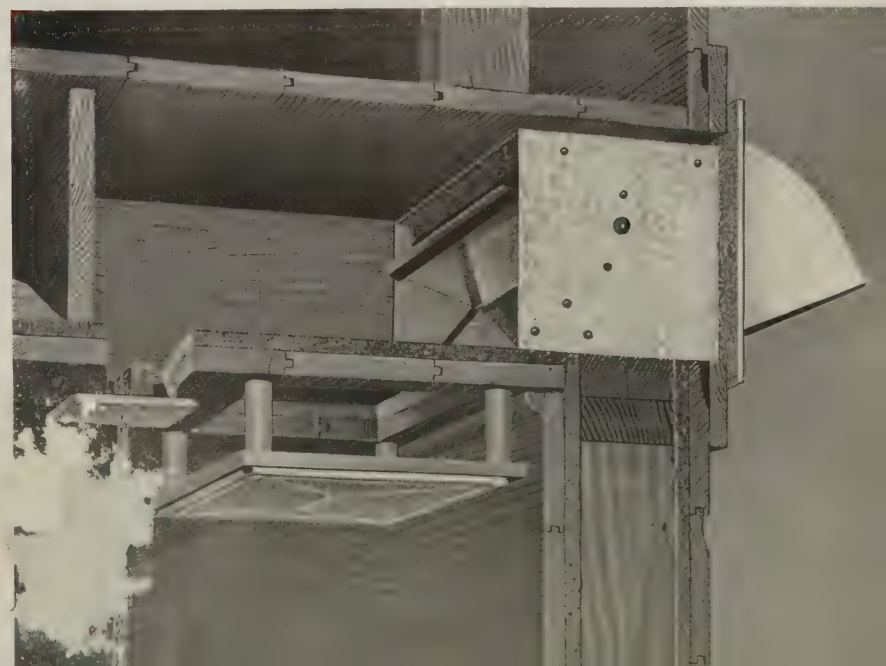
Patents Pending.

The outdoor face of all intake openings is protected by this metal hood which breaks wind pressure and protects against rain, sleet, or snow. Bird-proofed and hot galvanized for added protection.



## New Uniflow Intake

Cut away view of Uniflow Intake complete with outside weather hood, ceiling deflector and damper chain. Weather hood gives adequate protection against rain, sleet and snow. Deflector diffuses incoming air and spreads it out. Hand chain opens and closes damper located in intake box. The Uniflow Intake together with Thermo Motor Outtake shown on the opposite page makes up one of the most practical and serviceable Ventilation Units we have ever turned out. We recommend it without hesitation.



# New adjustable elbows and thimbles shipped assembled .... *Easy to Install*

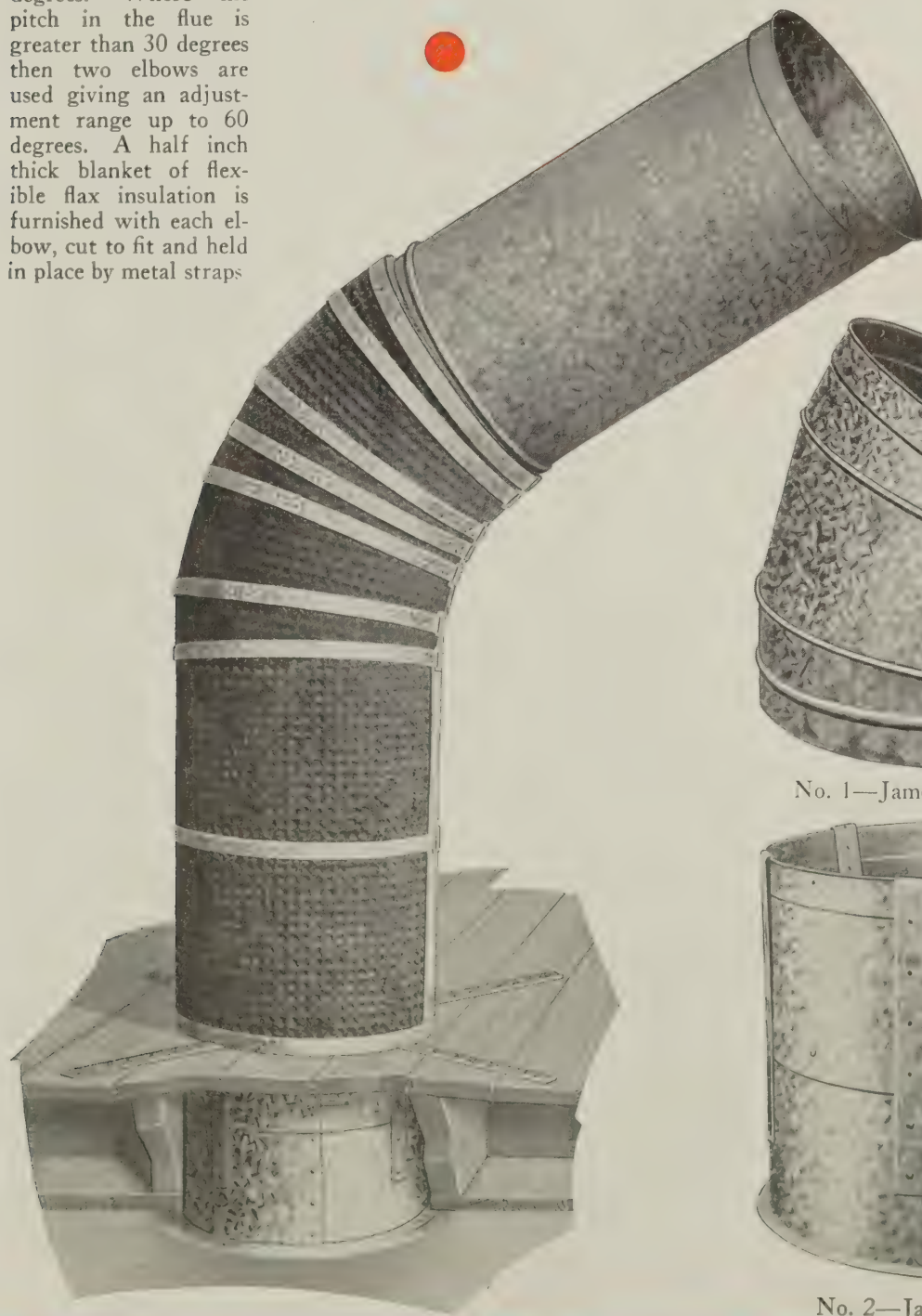
## Elbows

All Jamesway Elbows are adjustable. They may be adjusted to any pitch between 0 and 30 degrees. Where the pitch in the flue is greater than 30 degrees then two elbows are used giving an adjustment range up to 60 degrees. A half inch thick blanket of flexible flax insulation is furnished with each elbow, cut to fit and held in place by metal straps.

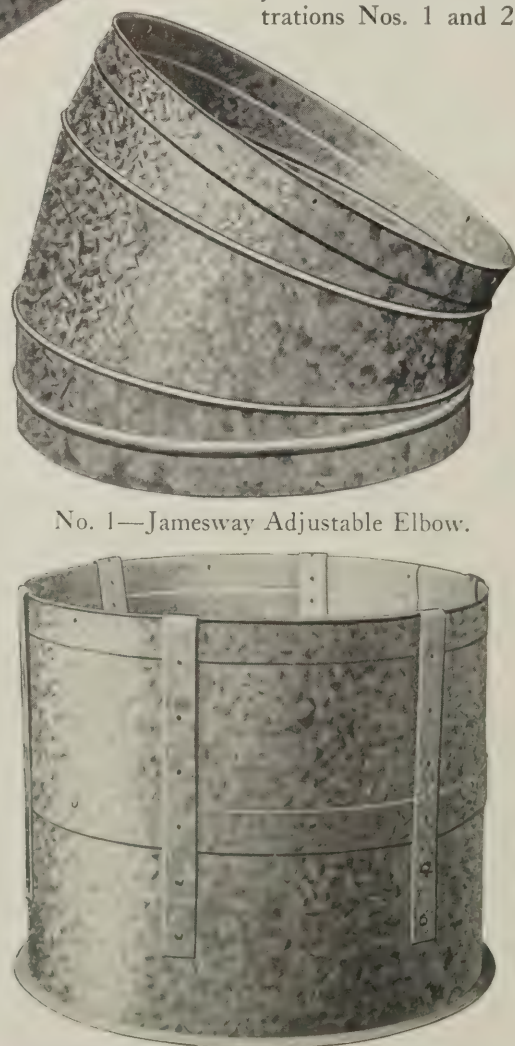
Patents Pending.

## Thimbles

Jamesway Ceiling Thimbles are adapted to use under all building conditions. Metal straps are provided for securing and holding thimble snugly against ceiling. Elbows and thimbles are made from the best quality copper-bearing galvanized steel sheets by workmen who take great pride in fine workmanship. Elbows and thimbles are shipped assembled as you see them in illustrations Nos. 1 and 2.



No. 1—Jamesway Adjustable Elbow.



No. 2—Jamesway Thimble.



# New lock seam outtake flue

## *Tighter...Smoother*

Patents Pending.

In ordinary flue assemblies there is considerable inleakage of cold air at the joints. This cold air reduces the heat head in the flue which is the motive power for maintaining gravity ventilation and thus greatly reduces its efficiency.

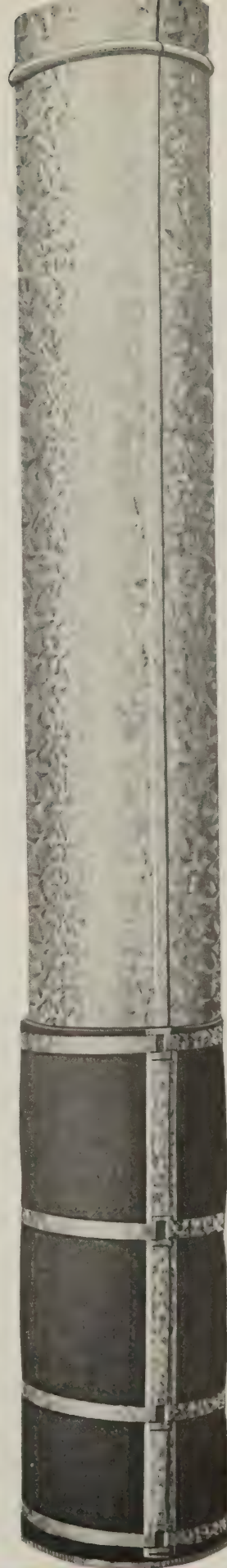
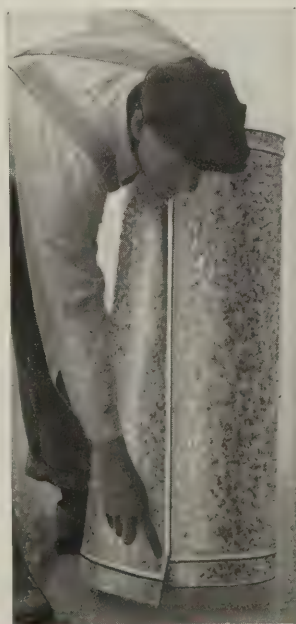
The entrance of cold air also causes condensation of moisture on the inside of the flue walls resulting in flues that drip water back into the barn.

Jamesway Engineers have reduced the ill effects of leaky flues by using newly patented tight fitting bell and spigot end joints on the flues. The new joint being machine made, gives a flush joint and the smooth inside surface on the flue offers minimum resistance to maximum capacity of the flue throughout.

Semi punched ears lock the seam top and bottom, giving rigidity and full formation to the flue. This is not had in ordinary flues.

Jamesway flues, elbows, and thimbles are made from the best quality copper-bearing galvanized steel sheets with lock seam and joint. This new lock seam simplifies assembly and installation. Flues are knocked down and nested to prevent damage in transit and at a saving in freight charges. Flue sections are furnished in three standard lengths, 12, 18, 36 inches.

Jamesway supplies a thick flexible flax blanket of insulation with which to cover the entire length of flue including elbows. This insulation is  $\frac{1}{2}$ -inch thick, has an approximate conductivity of 0.28 B. T. U. per hour per square foot per inch thickness. It is put on in sections and held in place by tie straps spaced about 12 inches on centers. Vertical joints are sealed with cover plates. Straps are quickly and easily fastened in place by hand.



# Jamesway Roof Ventilators.. *Balanced Design.. Unequalled Workmanship First Class Materials*

Patented.



## FLARE BASE

Size of Throat

20" — 24" — 30" — 36"

Height Without Vane

6'-6" — 7'-3" — 8'-5 $\frac{1}{4}$ " — 9'-7 $\frac{3}{4}$ "



## ADJUSTABLE BASE

Size of Throat

8" — 12" — 16" — 20" — 24"

Height Without Vane

1'-11 $\frac{3}{8}$ " — 4'-4 $\frac{3}{4}$ " — 5'-1 $\frac{1}{8}$ "

6'-6 $\frac{1}{8}$ " — 6'-1 $\frac{3}{8}$ "



Jamesway ventilators are to be seen on barn roofs from Maine to California. They are giving satisfactory service after 20 years' use. Made of first-class materials by workmen who take pride in doing a good job. Built in a variety of styles and sizes. There is one to fit every purpose. By "size" is meant the diameter of the barrel. Do not confuse this with base size. For example, the Jamesway 30-inch size, with the flare base, is 54 inches square at the base, while the barrel is 30 inches in diameter. The height of the 36-inch flare base ventilator is 9 feet 7 $\frac{3}{4}$  inches overall.

Standard sizes are 12, 16, 20, 24, 30 and 36 inch. Weights range from 50 pounds for the 12-inch adjustable base, up to 328 pounds for the 36-inch flare base ventilator. The 20, 24, 30 and 36-inch sizes are furnished with taper or flare base. Taper base can also be had in 8, 12, or 16-inch size.

Ventilators with adjustable base are intended for

use on any building where the ventilator is to be placed on a slanting roof. The base is readily adjustable to any pitch without having to cut to fit, or to build up a wood base. This is a patented feature. Adjustable base ventilators are furnished in sizes 8, 12, 16, 20 and 24 inches. Cone base in 8, 12, 16 or 20-inch size.

Jamesway ventilators are all steel construction, and built like a skyscraper. The highest quality of heavy coated, hot galvanized sheet steel is used. Sheets are carefully selected to stand the folding and seaming required. All are painted with a high-grade aluminum paint.

Storm bands are fastened to top cone and skirt by extra heavy steel to make a rigid support. This feature is also patented. Corners, or other parts, which bear any strain, are well reinforced.

Vanes, showing the direction of the wind, are of Jamesway malleable, hot galvanized. Ornaments are of pure zinc, pressed into shape and soldered with heavy galvanized wire inside to give strength.

Figures furnished on vanes include cow, horse, rooster, hog, sheep, automobile. A heavy ruby glass ball, 4 $\frac{1}{2}$  inch in diameter, gives a finishing touch on the 24, 30 and 36-inch sizes.

It is not necessary to crawl inside the ventilator to place nuts or bolts while another works on the outside. This saves work and avoids danger.

With all flare base ventilators anchor strips fasten ventilators to the roof, so the strongest winds will not disturb them. Sheet metal screws fasten the upper portion of the ventilator to the flare base. This is easily done after the two parts of the ventilator have been raised to the top of the building. Jamesway ventilators are designed to prevent rain and snow from entering. They aid in the natural upward draft of the outtake flue, and speed up the removal of the foul air from the building.



# Again!

## Jamesway

### Steps Ahead with *New Hot Galvanized Barn Equipment* ....Makes Barn Equipment Last Longer... Look Better

For 25 years Jamesway has been the leader in the barn equipment field. Each year Jamesway was first to give dairymen something new and better. Jamesway was first to give dairymen the swinging sure stop cow stall; first with a stanchion for aligning long and short cows to the gutter; first with an adjustable neck space stanchion; first with a one-hand, cow-proof stanchion lock; first with a solid top guide for stanchions; first with double chain hanger for stanchions; first with an anchor system for simplifying the erection of cow stalls. Many of these improvements developed by Jamesway are fully protected by patents. Only on Jamesway Stalls can you find all of them.

Now Jamesway gives dairymen the biggest improvement of all. The New Jamesway Hot-Dip Galvanized finish for barn equipment. An improvement that will save dairymen thousands of dollars; that will do away with the fuss and bother of repainting equipment. Jamesway is again first to give dairymen a new finish that resists rust, and makes Jamesway Equipment last longer, look better, and save dairymen the expense and trouble of repainting equipment every other year.





# There's Proof on Every Farm Hot Dipped Galvanized Equipment *Lasts Longest..Looks Best*

The farm is the place to learn what Hot-Dip Galvanized equipment will do. Every farmer knows that his windmill and its tower, the water pipes and water tank, must be Hot Galvanized if they are going to last.

Every farmer knows, too, that imitation galvanizing won't do. Imitation hot galvanized equipment never yet fooled farmers. They know what it is that keeps their woven wire fencing, fence posts, and iron gates from rusting. Only Hot Dipped Galvanizing is good enough for farmers, and only Hot-Dip Galvanizing is good enough for Jamesway.

## 30 to 1

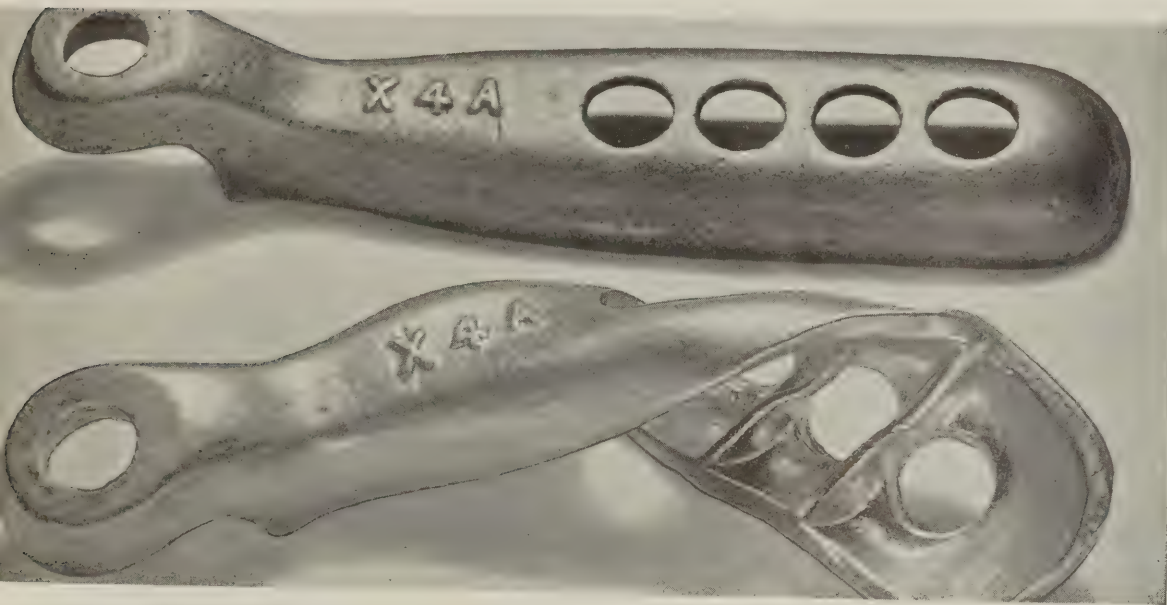
Tests show that it takes 30 pounds of Jamesway Hot Galvanizing to cover the same amount of surface as is covered by one pound of aluminum paint or enamel when dry. In other words, one pound of enamel or aluminum paint covers a surface of 145 to 150 square feet, while one pound of Jamesway Hot-Dip Galvanizing covers not more than five square feet. One pound of hot zinc spelter for every five square feet of surface. That's what dairymen are getting in the Jamesway Hot-Dip Galvanized finish.

Farmers who are looking for the best, because they want the best, will turn to Jamesway Hot-Dip Galvanized Barn Equipment because they know from experience it is the one practical money-saving finish.

Jamesway Equipment is Hot-Dip Galvanized in our own plants under our own supervision, where we are sure every piece is up to Jamesway Standards. We are proud of this new and better Jamesway finish and would like to send you samples free if you would care to have them.



# Jamesway Made Malleables *assure* *uniform* tensile and elastic *quality*

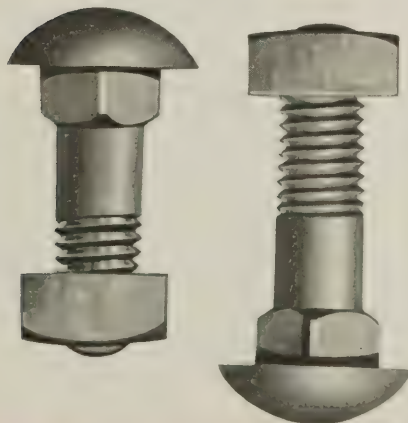


## Fracture test of Jamesway Malleable

Send for  
Free Sample and  
make this test  
Yourself.

Jamesway Malleables are made in our own large, modern foundry, where we control every single step of their production. Good malleables require the utmost watchfulness and painstaking care in their production. They must be handled just so. Only the best malleables will do for Jamesway Equipment. Jamesway Malleables must grip tight and hold tight without breaking or cracking. To do this, malleables require more than unusual care in the making and if they are to be hot galvanized, they require special processes and handling.

At great expense, Jamesway has installed the necessary equipment for preheating and treating malleables by the Flecto process. This process prevents the reembrittlement of malleables in the process of hot galvanizing. The Flecto System is a patented process which Jamesway is licensed by the patent owner to use. Only by the use of this process can malleables be hot galvanized without embrittlement. The Flecto Process made possible our splendid Hot Galvanized finish—the most useful improvement ever added to the Jamesway Barn Equipment Line.



## Out of Sight... Out of Mind

Oftentimes it is the little things by which we can best judge the bigger things. Take bolts for example—bolts used in barn equipment in particular. Did you ever stop to examine them closely and compare them? Well, there's no secret about Jamesway bolts. Bolts are pretty much out of sight, and out of sight they are out of mind, but we would like to have you examine Jamesway Bolts just the same, and make comparisons. We'll send samples free if you would like to have them.



# Strongest Tube possible of manufacture Now Used in Jamesway Barn Equipment

*Made by two newly patented processes to Jamesway Specifications*

The story of this new and better tube is big news in itself. It involves a long costly search for a way to successfully weld open-hearth, high-carbon steel tubing so the weld would be smooth and as strong as the wall of the tube. It involved discovering a new method for normalizing carbon steel tube to give it uniform physical properties — one piece as strong and tough as the next. It involved the building and equipping of plants costing millions of dollars in which this new and vastly better product could be made in quantities for an eager market of buyers who had long demanded a WELDED open-hearth high-carbon steel tube with NORMALIZED physical properties. And finally, it involved the application of this superior product to Jamesway specifications for the manufacture of Jamesway Stalls and Pens.

Jamesway Specification electrically WELDED open-hearth high-carbon steel tube NORMALIZED is stronger, tougher and smoother than welded pipe or either open seam or brazed seam high carbon steel tube made by the open hearth method. It has a weld that is actually stronger than the wall of the tube and so smooth that it is almost imperceptible. Its tough strength is uniform in every piece.

This new tube is a perfect running mate for the new Jamesway Hot Dip Galvanized finish that has caught on everywhere. It is equally good in Jamesway Baked-on Enamel. In either coating, Jamesway Specification

Tubing is outstanding, doing full justice to Jamesway products generally and worthy of the Jamesway trade mark which has long stood for the "best that can be had for the purpose."



# *And Now Jamesway gives you more... a new convenience...a new protection* **The New Comfort Stall Partition**

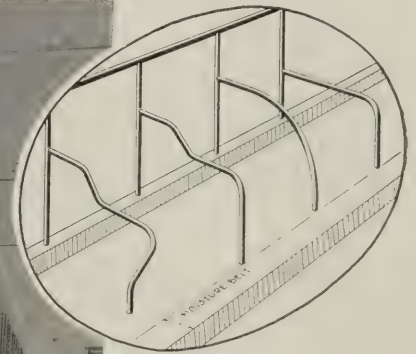
(Patented and fully protected)

Once again Jamesway gives you something more, something better, for your money. This time a new convenience for yourself; a new protection for your cows. The new, patented Jamesway Comfort Stall Partition.

Only on Jamesway Stalls can you obtain this new improvement. Dairymen who have used this new comfort, this new protection, this new convenience, are writing us by the score. All say it is about the best thing we ever gave them—a 100% improvement in stall partitions. They are enthusiastic about its three new comfort advantages, pointing out how they can now clean and milk their cows and use a scraper on the back platform without dodging around stall partitions.

Nor have they overlooked the advantages of the peculiar “in curve” at the bottom which moves this part of the partition out of the moisture belt. Moves it up where the platform is dry. “No need for rust shields now,” say our enthusiastic users, “or other makeshift devices for protecting the partition from rust.” “It has been taken care of right, at last.”

But when it comes to comfort, the cows benefit most. Now they can lie down and sprawl out in more ease and comfort than ever before. Old Boss can’t write letters, but if she could talk she would say, “Thank you, kind sir,”—that is, if you gave her this new comfort and this new protection.



Progress in Jamesway Stall Partitions from 1905 to 1932 shown above. Note how the 1932 partition is now definitely out of the moisture belt.





Now there is elbow room to milk, and a place to set the milk stool. Especially is the new stall partition desirable where a milking machine is used. Note how far the heel of the partition is away from the moisture belt. No need for rust shields now.



Room, and plenty of it, for a 24-inch scraper. With the old partition the back stall floor had to be scraped out. Now a scraper can be walked from one end of the stall row to the other, and cleaned just that quickly. This is a big help, quicker to clean, and easier to keep clean.



And more comfort for the cow, too. Now she can sprawl out, and stretch her legs. The newly Patented Jamesway Comfort Partition has four definite improvements: (1) More elbow room for milking. (2) Stalls easier to clean and keep clean. (3) More comfort for the cow. (4) Partition taken out of the rust zone.



# Jamesway *Foundation* Stall No. 1000

Patented.

If you, who read this page, have concluded, as many people do, at about this part of our book, that Jamesway Equipment, "is nice equipment, but too high in price,"—won't you please banish that idea for a moment? Thank you. This conclusion arrived at by so many people probably arises from a conviction that because our equipment is made good, from good materials, it really ought to be higher in price than ordinary equipment. Perhaps it ought to be. But as a matter of fact Jamesway Equipment, although recognized the world over as the very best, costs no more than the

ordinary kind. In the end it costs less, because it is better designed and made of better material. "I never had anything stand the wear and tear like Jamesway Equipment," says E. A. Barnes, of Atlanta, Illinois, who has used his equipment every day for 23 years. The stall shown on the next page, although known as our foundation stall, because it is the simplest form of stall, is as good a stall in quality and materials as any we make. To this stall may be added such features as the purchaser needs to accomplish his particular purposes. Many of our customers use it just as you see it and to their entire satisfaction.

## Specifications

**Tubing:** Top rail, uprights and stall partitions are made from new process Jamesway Specification ELECTRICALLY WELDED high-carbon steel tube with NORMALIZED physical properties. Tube sizes given below. For further details please turn to page 67.

**Uprights:** Round, 1 $\frac{5}{8}$  inch outside diameter. Wall thickness .112. Uprights extend into curb.

**Top Rail:** Round, 1 $\frac{5}{8}$  inch outside diameter. Wall thickness .112.

**Partitions:** Round, 1 $\frac{5}{8}$  inch outside diameter. Wall thickness .112 inch. Details of this new Comfort type partition are given on pages 68-69.

**Fittings:** Tight-grip Malleable made in Jamesway Foundries. Described in further detail on page 66.

**Bolts:** Over size throughout. Made to Jamesway Specifications. More details on page 68.

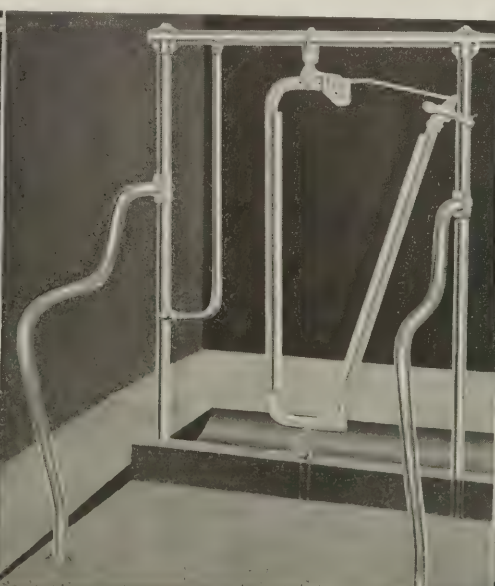
**Finish:** Available in either the new popular Jamesway Hot Dip Galvanized coating described on pages 64 and 65 or Baked-On Enamel in Battleship Gray. All parts of Jamesway Stalls are thoroughly cleaned of scale and grease before finishing.

**Weight:** This stall weighs 69 pounds in the enamel finish and 73 pounds Hot Dip Galvanized. The extra 4 pounds in the galvanized finish gives extra protection.

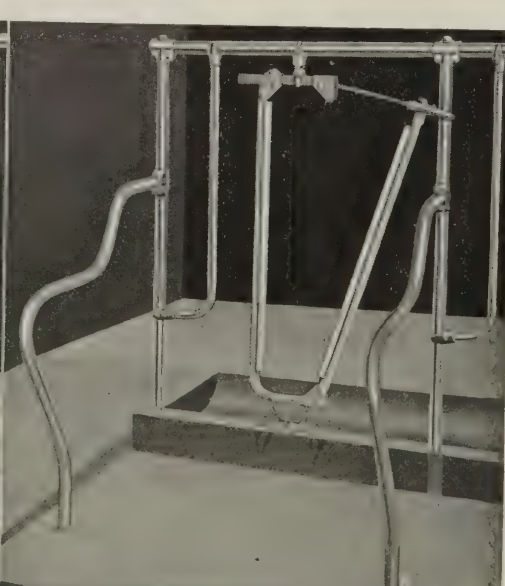
**Stanchion:** Stall No. 1000 may be had with any of the following stanchions. No. 1042, 1042W, 2406, 2416W, 3008, 3008W. For stanchion details turn to pages 84 to 90.



Stall No. 1000 with Stanchion No. 1042W with Cow Stop.

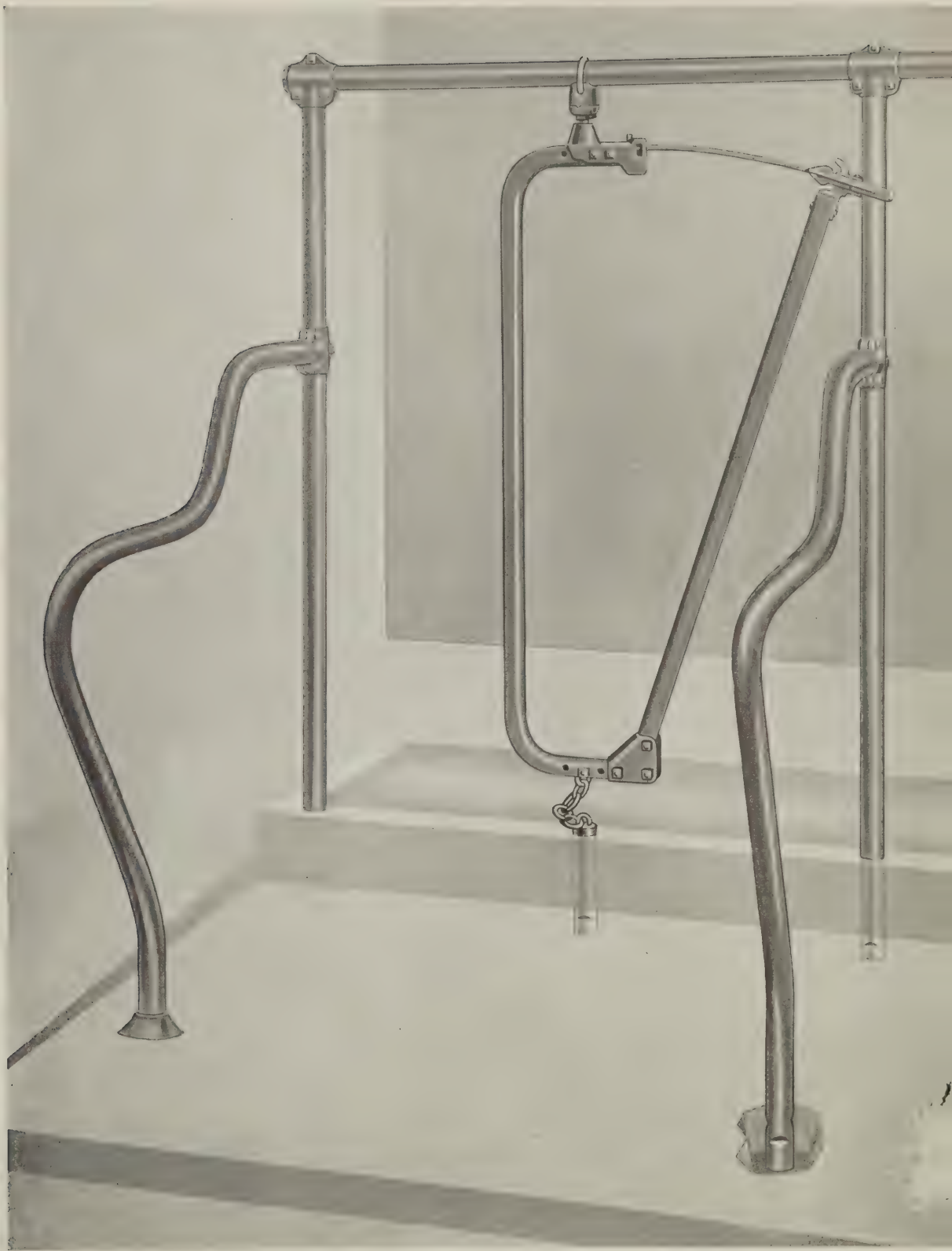


Stall No. 1000 with Stanchion No. 1042W and Rigid Sure Stop.



Stall No. 1000 with Stanchion No. 3008W and Rigid Sure Stop.





*Foundation* Stall No. 1000 shown with Stanchion No. 1042

# Jamesway *Utility* Stall No. 2000

Patented.

Most folks think of a cow stall as a convenient means of tying the cow. Of course, that is one purpose,—and a stall that permits a cow to get loose in the barn has lost most of its value. Jamesway Stalls tie cows so they can't get loose until they are turned loose. But Jamesway Stalls are more than fool proof, sanitary cow ties. They have got to be more or they are not Jamesway Stalls. The primary purpose of a cow stall should be comfort. Any stall on which is stamped the name Jamesway,

is a comfortable cow stall. To qualify under the Jamesway standards of comfort a cow stall must have as much head room as body room. If every purchaser of cow stalls would insist upon this standard, they would then get what their money intended to buy,—cow comfort. Any obstruction of free head room defeats the very purpose for which the purchaser pays his good money. Don't be cheated or allow your cows to be cheated out of cow comfort.

## Specifications

**Tubing:** Top rail, uprights and stall partitions are made from new process Jamesway Specification **ELECTRICALLY WELDED** high carbon steel tube with **NORMALIZED** physical properties. Tube sizes given below. For further details turn to page 67.

**Uprights:** Round, 1½ inch outside diameter. Wall thickness .112. Uprights extend into curb.

**Top Rail:** Square, 1½ inch outside diameter. Wall thickness .112.

**Partition:** Round, 1½ inch outside diameter. Wall thickness .112 inch. Details of this new Comfort type partition are given on pages 68-69.

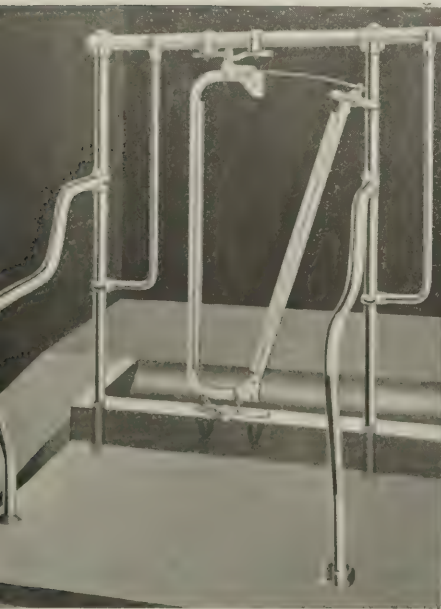
**Fittings:** Tight-grip Malleable made in Jamesway Foundries. Described in further detail on page 66.

**Bolts:** Over size throughout. Made to Jamesway Specifications. More details on page 68.

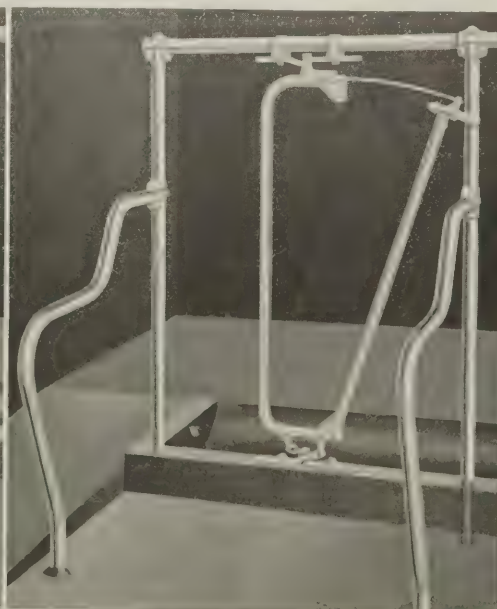
**Finish:** Available in either the new popular Jamesway Hot Galvanized coating described on pages 64 and 65 or Baked-On Enamel in Battleship Gray. All parts of Jamesway Stalls are thoroughly cleaned of scale and grease before finishing.

**Weight:** This stall weighs 80 pounds in the enamel finish and 85 pounds Hot Dip Galvanized. The extra 5 pounds in the galvanized finish give double duty protection.

**Stanchion:** Stall No. 2000 may be had with any of the stanchions shown in the stanchion section. Please turn to pages 84 to 90.



Stall No. 2000 with Stanchion No. 1044W and Rigid Sure Stop.

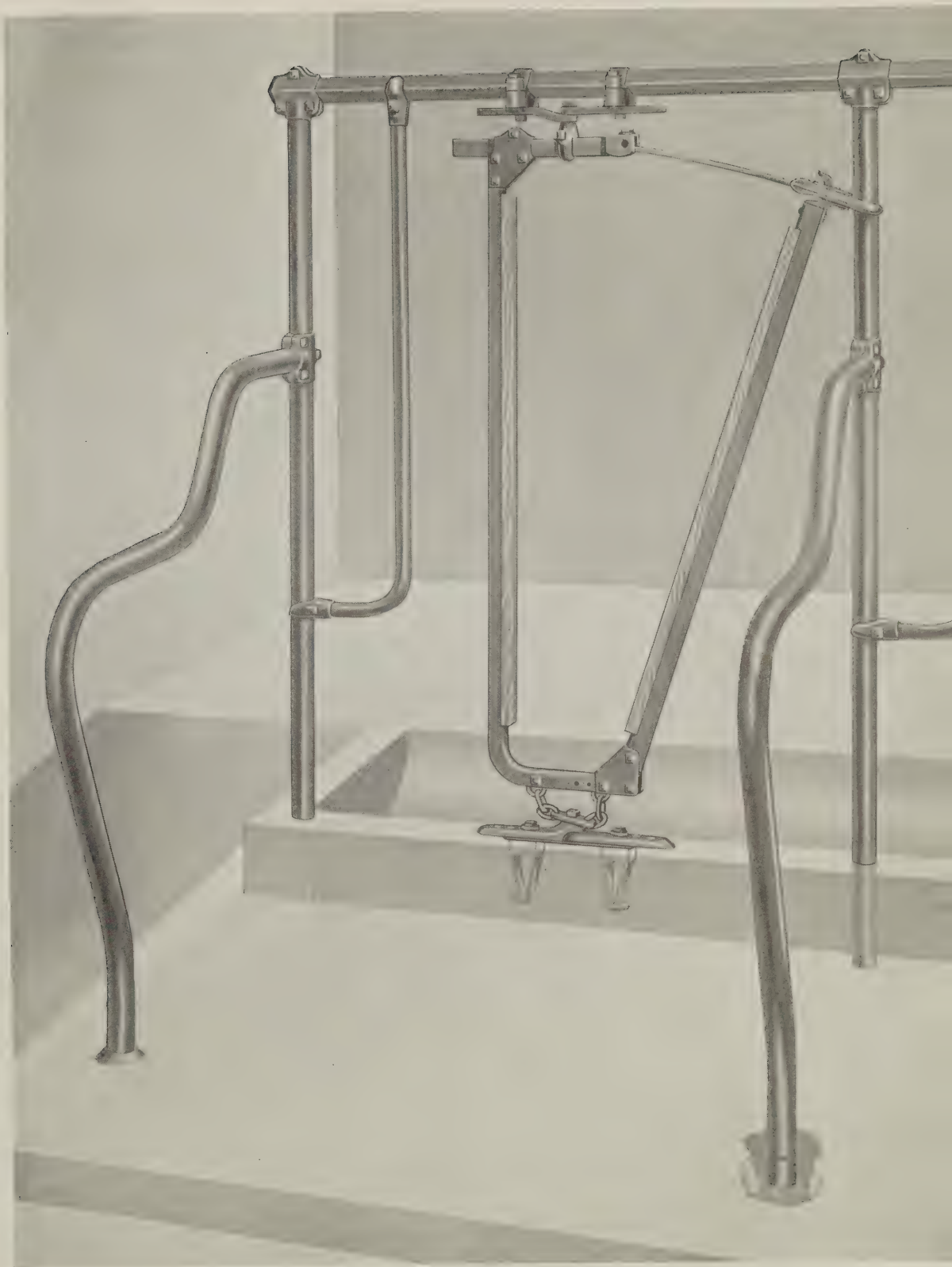


Stall No. 2000 with Stanchion No. 1044.



Stall No. 2000 with Stanchion No. 1042 with Cow Stop.





*Utility* Stall No. 2000 shown with Stanchion No. 3007W and Rigid Sure Stop

# Jamesway *Comfort* Stall No. 4000

Patented.

Conforming to Jamesway Standards of cow comfort maintained for 25 years, the first Jamesway Stall consisted of a stanchion, two uprights, and two stall partitions. The object was to give the cow full freedom of the head stall; to allow her to move her head freely; to rest her head in a natural position when lying down; to card herself on either side, even to flick a fly off her flanks,—that is Jamesway cow comfort. A reward for cow comfort is usually found in the milk checks.

It soon became evident, however, in giving a cow all this freedom, invariably she would put her head in the wrong place when entering the stall. To put a full-length rigid cow stop between the stanchion and right-hand upright would defeat the primary purpose of cow comfort. Something had to be done. Out of this necessity was born the Jamesway Swinging Sure Stop, a patented cow stop device that is moved into position when the cows are entering and moved out of the way when the cow is tied.

## *Specifications*

**Tubing:** Top rail, uprights and stall partitions are made from new process Jamesway Specification ELECTRICALLY WELDED high carbon steel tube with NORMALIZED physical properties. Tube sizes given below. For further details please turn to page 67.

**Uprights:** Round, 1½ inch outside diameter. Wall thickness .112. Uprights extend to curb anchors. See pages 82 and 83.

**Top Rail:** Square, 1½ inch outside dimensions. Wall thickness .112.

**Partitions:** Round, 1½ inch outside diameter. Wall thickness .112 inch. Details of the new Comfort type partition are given on pages 68-69.

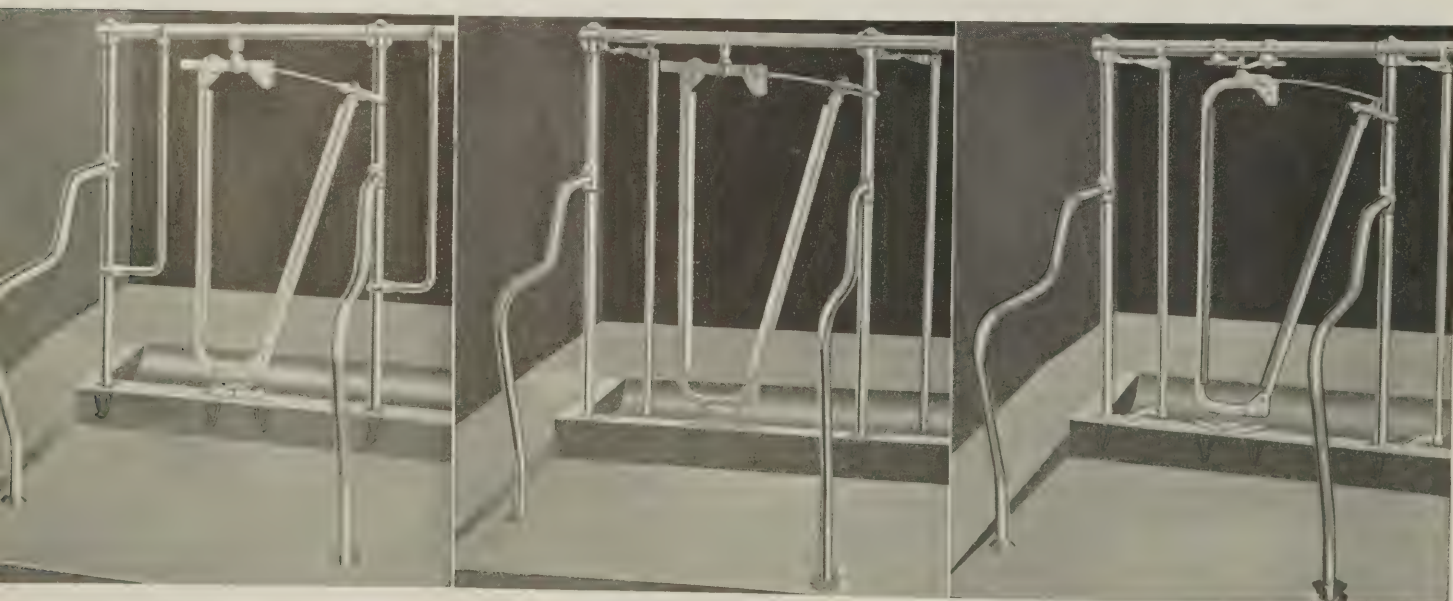
**Fittings:** Tight-grip Malleable made in Jamesway Foundries. Described in further detail on page 66.

**Bolts:** Over size throughout. Made to Jamesway Specifications. More details on page 68.

**Finish:** Available in either the new popular Jamesway Hot Dip Galvanized coating described on pages 64 and 65 or Baked-On Enamel in Battleship Gray. All parts of Jamesway Stalls are thoroughly cleaned of scale and grease before finishing.

**Weight:** This stall weighs 96 pounds in the enamel finish and 101 pounds Hot Dip Galvanized. The extra 5 pounds in the galvanized finish means extra protection.

**Stanchion:** Stall No. 4000 may be had with any of the stanchions shown in the Stanchion Section, pages 84 to 90.

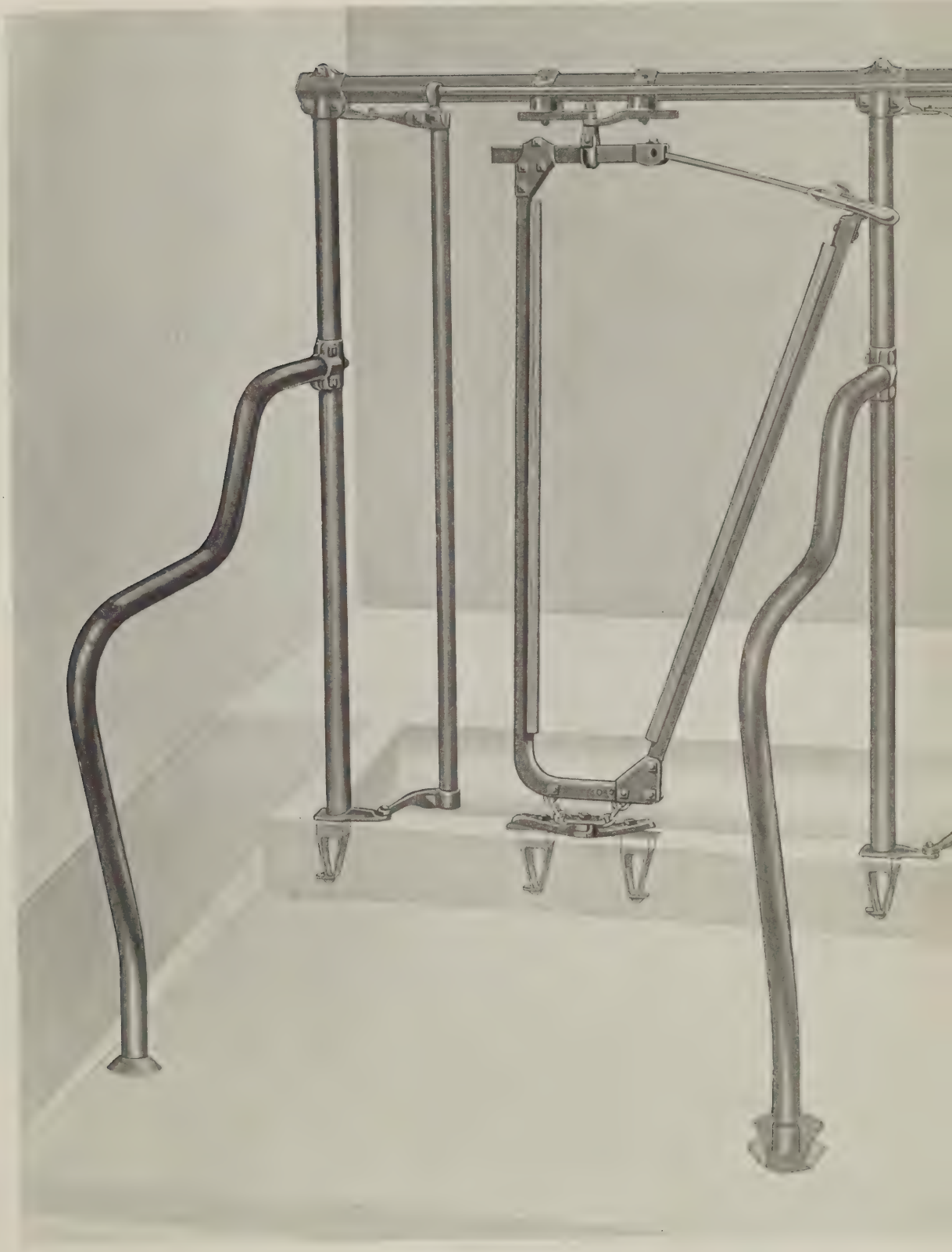


Stall No. 4000 with Stanchion No. 3008W and Rigid Sure Stop.

Stall No. 4000 with Stanchion No. 3008W and Swinging Sure Stop.

Stall No. 4000 with Stanchion No. 1044W and Swinging Sure Stop.





*Comfort* Stall No. 4000 shown with Stanchion No. 3007W and Swinging Sure Stop

# Certified Dairies Use Jamesway



Polk Dairy Co., Greenwood, Indiana.



Duntreath Farms, Memphis, Tennessee.



Standard Dairy Co., Tulsa, Oklahoma.



Walker-Gordon, Trenton, New Jersey, and elsewhere.



Brookhill Farms, Genesee Depot, Wisconsin.



Johnson Dairy, Robbinsdale, Minnesota.



Shoemaker Farm, Bridgeton, New Jersey.

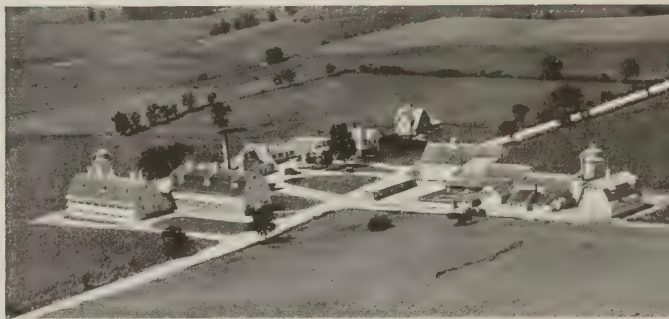
Where clean milk is of paramount importance Jamesway is first choice. The Jamesway patented top and bottom alignment helps keep cows clean. Clean cows mean cleaner barns and cleaner milk.



# Plans, Equipment and Ventilation



Hood Farms, Derry, New Hampshire.



Wern Farms, Waukesha, Wisconsin.



Keystone Farms, Waukesha, Wisconsin.



Goebel Farm, Annandale, New Jersey.



R. L. Dade & Son, Lander, Maryland.



Ashgrove Farm, Saratoga Springs, New York.



Gable Creamery, Detroit, Michigan.

A count of the largest and most successful dairies and breeding establishments shows a preponderance of Jamesway Equipment in use. Experience with cow stalls is responsible for this preference.

# Insist on the *utmost* in Cow Comfort Accept no Substitutes

Christensen Brothers of Royalton, Wisconsin, say this about their Jamesway Stalls, "They save us money by making the cows more comfortable. Today these same stalls, after 20 years of 24-hour-a-day service, are still in use."

The purchaser of cow stalls should give his first attention to a consideration of cow comfort. Except for sanitary reasons, and a safe means of tying cows, a cow stall has no other major purpose than the comfort of the cow. Cow Comfort pays dividends in the milk pail. If a stall judged by this standard is not comfortable, it is an imposter asking for your money at the expense of the cow's comfort and your income.

The ideal stall is as wide at the front as at the rear. The cow should have all the room between the two stall uprights to move her head about and card herself, to rest her head in a natural position, when lying down.

The old wooden stanchions held the cows, but the cows were not comfortable in them. In the colder sections of the country, the cows are tied in the stalls about 200 days in the year. It is highly important that the stalls should be designed to make cows comfortable.

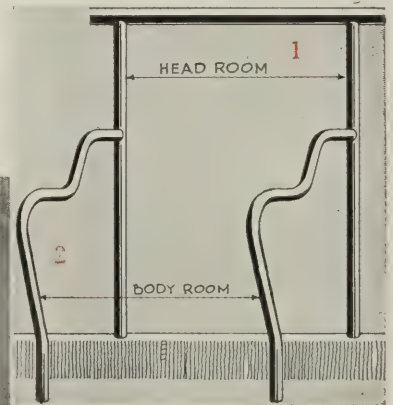
The cow is a most sensitive animal. She rewards her owner for kindly treatment by a better flow of milk.

When one is tying several head of cattle in the stanchions, it takes far less time, if all have

their heads in the right place. Otherwise, it is necessary to take the time to get all of them into the open stanchions. This is only one of the many important ways in which Jamesway Cow Stalls and Stanchions save so much time in caring for the herd.

Comfort has been the standard of Jamesway Stalls ever since the first Jamesway Stall was hammered out in a little blacksmith shop over a quarter of a century ago. If it is not comfortable, it is not a Jamesway Cow Stall. A simple method of determining this standard of comfort is shown below.

Comfort in the barn pays dividends in the monthly milk check. "We really put in Jamesway Equipment to save ourselves labor and prevent damaged udders more than anything else," says Henry Schuster. "But we soon noticed a big difference in the amount of milk we were getting."



Make sure the stall you buy has as much head room between the stall uprights at the point shown at No. 1, as there is body room between the stall partitions at No. 2. Otherwise the animal's comfort may be badly cramped, if not entirely destroyed.





Of all dumb creatures none have been treated with quite so much disregard to their comfort as the foster mother of the human race. If for none other than sentimental reasons they should be freed from the inhuman stocks that hold them. These cows tied in Jamesway Stalls are comfortable.



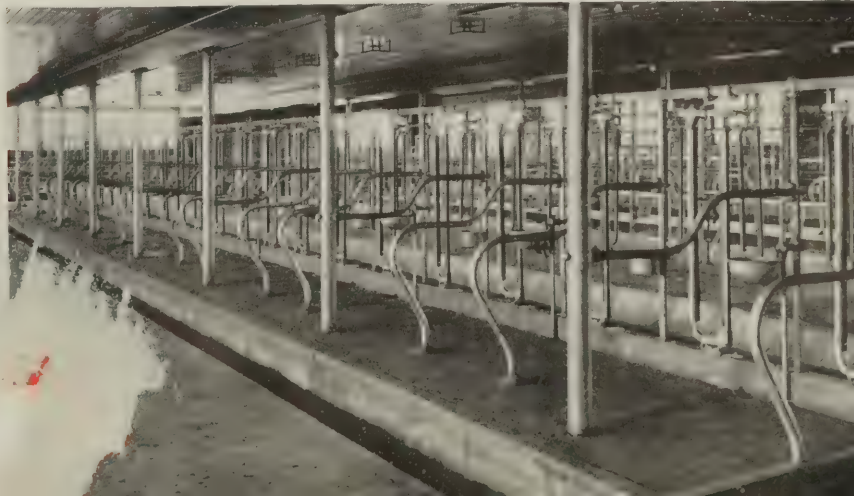
If the head room, between the uprights, is as great as the body room between the stall partitions, then cows can have the freedom shown in these illustrations. Anything that obstructs the free movement of the head defeats by that much the real purpose of a cow stall.



Free to turn her head when standing up or lying down, just as she would if in the pasture; to card herself on either side, a natural cow habit; to lick a fly off either flank; to stand or lay down with reasonable freedom; these are comforts provided in Jamesway Stalls.



And now we have added greater comfort. In the new, patented Jamesway Comfort Stall Partition we have made it possible for the cow to sprawl out a bit, stretch her legs a bit, to speak, and rest in comfort.





Go where you will. Visit herd after herd from one coast to the other. You will not find cows lined up at the gutter as these cows are unless they are tied in Jamesway Stalls fitted with the patented Jamesway Top and Bottom Alignment.



The Jamesway Patent Alignment Device keeps cows cleaner, barns cleaner, and milk cleaner. It saves work, worry, and makes for a higher quality milk. Clean cows sell better for more money, and look better to the owner who cares.



See these nice, clean, white cows lined up at the gutter. Note that most of the droppings have fallen into the gutter and not on the platform. How much better the product, cleaner and easier to keep sweet. And how much easier to keep the barn and the cows clean. The Jamesway Patented Top and Bottom Alignment Device helps make this possible.



# If they are *lined up* at the gutter . . . You *know* they're in Jamesway Stalls

If you could hire help to clean your cows every day in the year for one cent per cow per year — you would be pretty apt to hire that help. The Jamesway Alignment Device helps to keep your cows clean every day for less than one cent per cow per year.

See these cows all lined up at the gutter. Droppings falling into the gutter instead of on the platform. Cows unusually clean. Whenever you see cows lined up at the gutter in this manner you can bet your last nickle they are tied in Jamesway Stalls. And you'll win. Why? Because of the Jamesway Top and Bottom Alignment Device. A patented feature. It is had only on Jamesway Stalls.

True, there are some stanchions with a single bottom alignment and none on top; and some with an alignment on top and none on the bottom. Any one can see that these are half way imitations and mighty poor ones at that.

On April 10th in the year 1912 Harvey Kemp, of Manette, Washington, wrote us, "I

purchased James Stanchions last fall. They could not be improved upon. Solid comfort and they *keep the cows clean.*" 20 years later we find Mr. Kemp using the same stalls. Here's the verdict after he has had 20 years to think it over. "I am of the same opinion still. They still furnish the same comfort, nearly as much freedom as outdoors. And the adjustable feature in lining cows up on the gutter enables me to *keep the cows clean*, which can be done in no other way."

Do Jamesway Stalls keep cows clean? Are they comfortable? How long will they last? There are Jamesway users near you that can answer these questions better than any one else. If interested, we will send you their names and you can investigate for yourself.

One of the many Walker-Gordon Certified Milk Barns. Where clean milk is paramount there you usually find Jamesway Stalls.



# Installation greatly *simplified*

## *Saves a lot of money*

The pictures tell the story better than words. This new improved method reduces what was once a job for a mechanic to one of absolute simplicity.

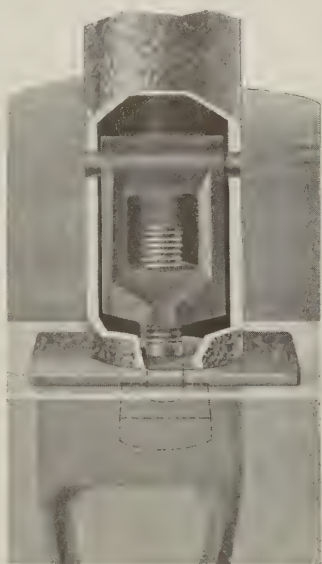
No experience is now needed. Just place the anchors in the forms and pour the cement. When the concrete is hard—set up the stalls. Only 9 bolts to tighten on each stall—sink a little concrete around the loose end of the stall partition and you are ready to move the cows into their new comfort stalls.

Jamesway Anchors enable the man who is building or remodeling, to go right ahead cementing the floors without waiting for the arrival of the equipment. He can, if he wants to, lay the floor before building the barn,—many do in fact.

Jamesway Anchors make possible adding stalls later as you need them, one at a time if so desired or, if it becomes necessary, the stalls may be taken down and used elsewhere.

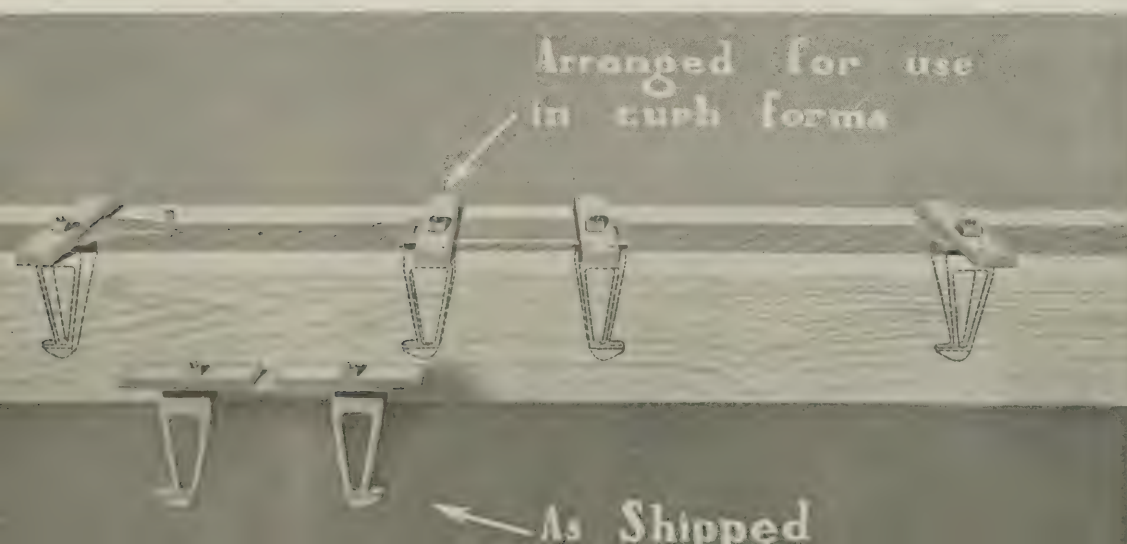
Anchors have wood templates or spacers attached when they come to you. They are marked off on centers. Even the nail holes are drilled. Place them in the curb forms, nail them in place, and pour concrete. When the forms are pulled down, there are the bolts ready for the uprights and stanchions.

Uprights have a special malleable nut locked into the lower end of upright with a 5/16 in. pin. Turn the upright onto the curb bolt by hand, no special tools are necessary, fit the top rail, set the stall partition and hang the stanchion. It is all just about as simple as telling about it. Actually it would be fun for a small boy. There is no easier or simpler method of erecting stalls than the Jamesway and it saves a lot of money.



Cut-away view showing the new quick method of attaching stall uprights to curb bolt and anchor. Malleable nut pinned to upright, and assembled ready for use.

Patented.



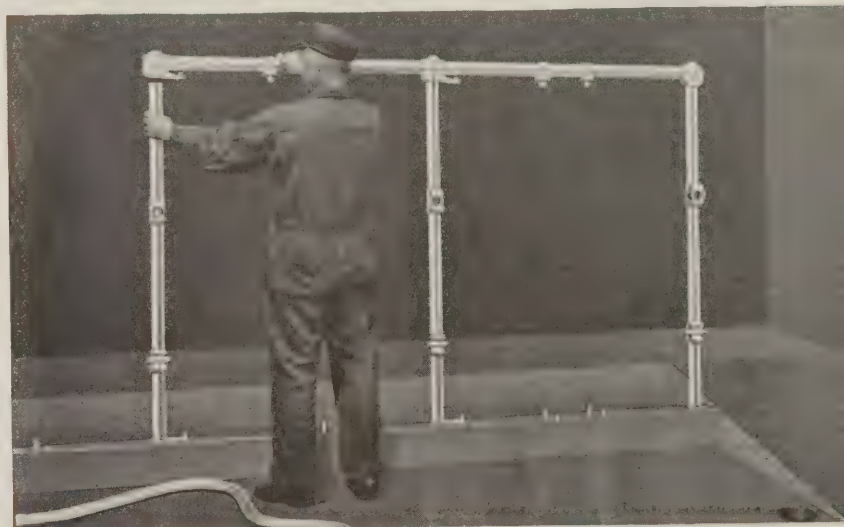
Phantom view of curb forms with upright and stanchion anchor in place. The next step is to pour the concrete. When floor has hardened remove forms and proceed to erect stalls as shown on next page. Also patented.



Turn the uprights onto curb bolts. This takes but a moment. Uprights have fittings attached in proper places just as have top rails and other parts. With uprights attached the next step is shown below.



Attaching top rails is just as easily done as you see it here. Fittings are attached and properly spaced. Slip top rail upright fittings over the upright.



Now we are ready for the stall partitions. Holes have been left in the platform, drop the end of partition into these holes, attach other end to upright, and pull three bolts up snug. Pour concrete around floor end of stall partition.



Next attach stanchion and any other parts, such as sure stops, manger divisions, water cups, etc., and the stalls are ready for the cows. There are only 10 bolts to tighten on the stall shown. How much easier this than any other way.





# Now a **WELDED** Stanchion

## *With Quick Top Alignment*

Once more Jamesway contributes an important improvement in stanchions—an **ELECTRIC WELDED** steel stanchion. Cumber-some corner fittings are done away with, making a neater, smoother, stronger and better stanchion than ever before.

With the new welded feature, Jamesway offers another big improvement—a new Quick Top Alignment, which may be adjusted with mittened fingers without the aid of any tool. Five adjustments—two forward, two back and one intermediate. Non-aligning bottom fitting regularly furnished or may be had with our standard bottom alignment fitting.

### *Specifications*

**FRAME:** Top, bottom and side rails forming the frame made from Jamesway Specification High Carbon Steel, U-shaped bars  $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{3}{16}$  inch electrically welded on left side to form one piece.

**HINGE:** Extra heavy Jamesway made Malleable iron attached with two  $\frac{3}{8} \times 2$  inch bolts to side and bottom rail, making a very dependable connection at this point.

**LOCK:** One hand, cow proof, double offset type, with scissors-like grip. Permits opening with one hand, leaving one hand free. All parts of this lock and fasteners are heavy Malleable made in Jamesway foundries and securely attached with heavy bolts.

**WOOD LINERS:** Cut from first quality live growth Northern Birch, thoroughly air cured, carefully shaped, dipped in pure linseed oil and again seasoned. Each liner is securely attached to side bar in three places.

**TOP GUIDE:** High carbon steel  $\frac{5}{16} \times \frac{1}{8} \times 14$ . Relieves loose arm of stanchion of excessive strain. Permits opening stanchion to an upright of a 3 foot, 8 inch stall, and allowing cows with horns to enter stanchion easily.

**DOUBLE CHAIN:** True type double chain extending out to side arms and supporting them in carrying the weight of the cows' shoulders. Made of  $\frac{1}{2}$  open hearth, basic steel, drawn, annealed, lime coated and thoroughly cleaned before finish is applied. Six oval and one flat link.

**SWIVEL BOLTS:** All Jamesway Stanchions are equipped with special tempered steel swivel bolts made to Jamesway Specifications. Stanchions make a complete revolution without binding. Seemingly small items, but Jamesway uses a great deal of care in selection of materials, workmanship and inspection to insure the customer years of satisfactory use.

**FINISH:** Either Hot Dip Galvanized or Battleship Gray Enamel. We have no hesitation in recommending Hot Dip Galvanizing as the most practical. All metal parts are first cleaned of grease, scale and rust before finish is applied.

**WEIGHT:** Stanchion lined without fittings, galvanized,  $26\frac{3}{4}$  pounds; painted,  $25\frac{3}{4}$  pounds, Quick Top Alignment about 5 pounds. Nonaligning bottom fitting about 2 pounds.

**LEFT:** Here we show our new Quick Top Alignment in its extreme forward position for the extra long cow. In this position it is  $5\frac{1}{2}$  inches ahead of center of top rail.

**RIGHT:** Quick Top Alignment adjusted for short cow  $5\frac{1}{2}$  inches back from center of top rail.

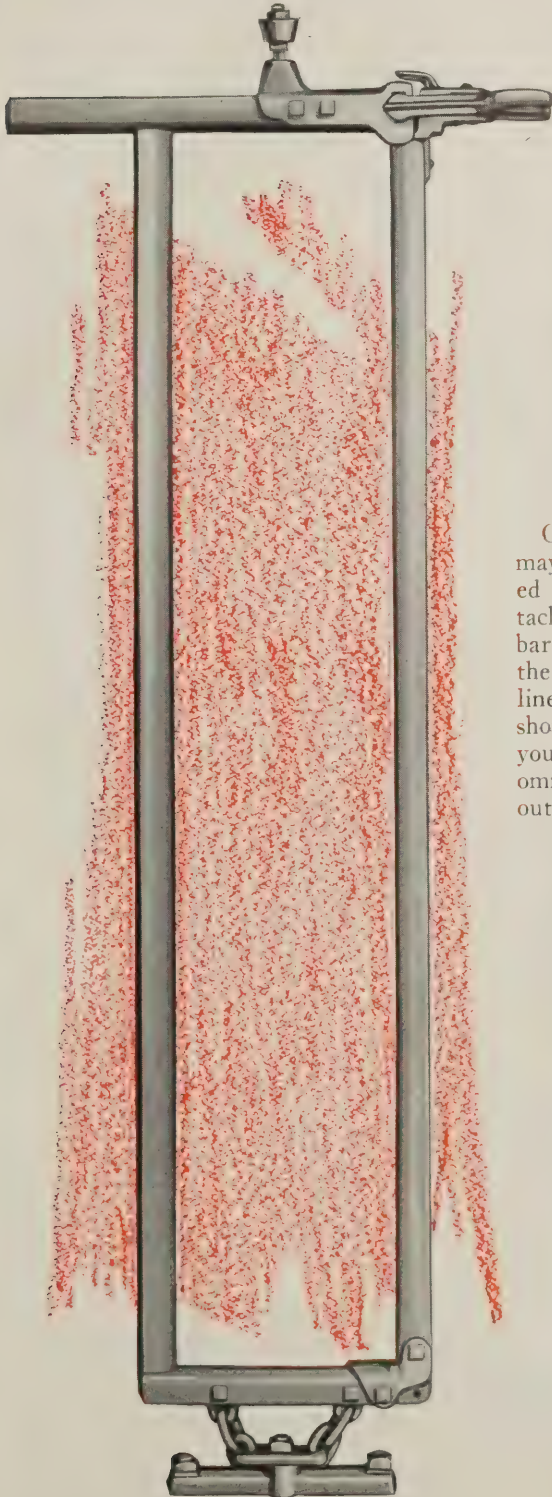


# Welded *Stanchion*

## No. 2406

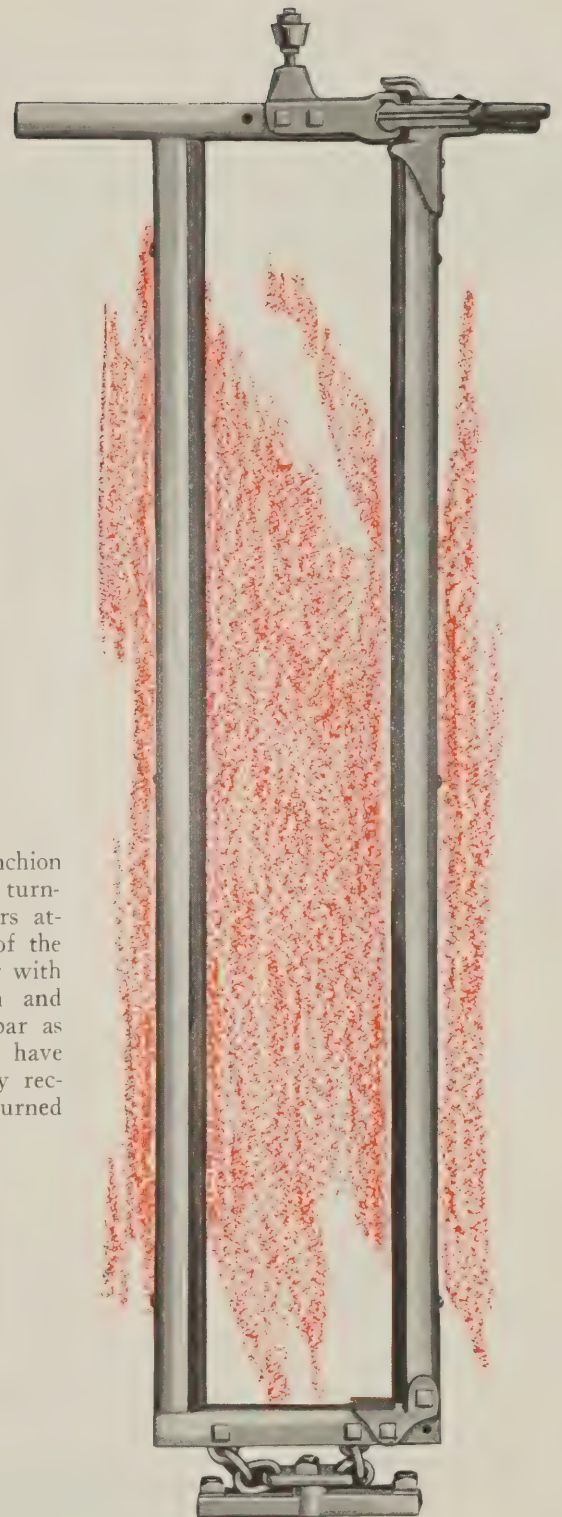
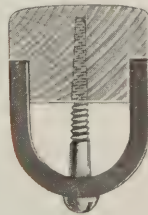
(Open Side of U-Bar Out)

This is our basic welded steel stanchion less wood liners to which has been added a non-aligning bottom fitting. To this stanchion (less non-aligning bottom fitting) may be added any of the special stanchion features shown in this catalog. Neck space adjustments  $6\frac{5}{8}$ - $7\frac{3}{4}$ -9 inches.



### Optional

Our welded steel stanchion may be had with U-Bar turned out and wood liners attached to the outside of the bar as shown above, or with the U-Bar turned in and liners set into the bar as shown below. You have your choice: Jamesway recommends the U-Bar turned out.



# Welded *Stanchion*

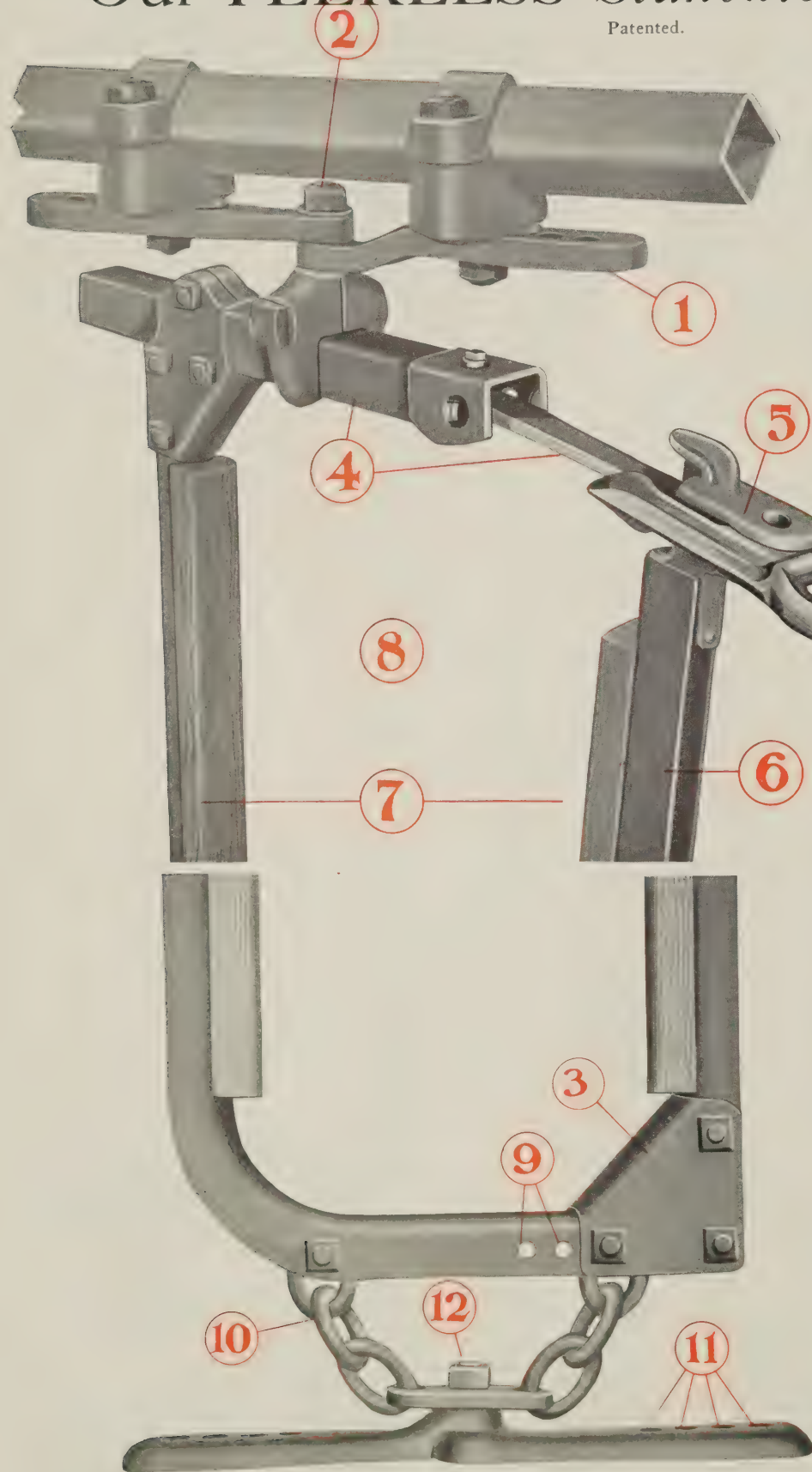
## No. 2416W

(Open Side of U-Bar Turned In)

This is our welded steel stanchion with non-aligning bottom fitting, with wood liners set into the U-Bar which in this case are turned in. To this stanchion (without non-aligning bottom fitting) may be added any stanchion feature shown in this catalog. It is never furnished without wood liners. Neck space adjustments  $6\frac{3}{8}$ - $8\frac{1}{8}$ - $9\frac{1}{2}$  in.

# Our PEERLESS *Stanchion* No. 3007W

Patented.



Adjustment top and bottom for short and long cows. A patented **1.** Jamesway feature. Lines cows up at the gutter. Keeps cows cleaner, barn cleaner, milk cleaner. Seven adjustments, 10 in. overall—5 in. each way from center of curb. Only Jamesway is a 100% top and bottom alignment stanchion.

A full swivel stanchion turns all the way around—can't bind. Removable top and bottom swivel bolts. Standard  $\frac{1}{2}$  in. x 2 in. bolt obtainable at any hardware store. Quick and inexpensive to replace.

Substantial No. 10 gauge stamped steel corner braces bolted with  $\frac{3}{8}$  in. bolts. Holds hinged stanchion side bar securely.

Stanchion guide arm of special steel  $\frac{1}{8}$  in. x  $\frac{1}{8}$  in. Guides hinged arm of stanchion to its open position and holds it there. Relieves stanchion of strain and wracking. Prevents loose arm from falling to floor.

**5.** One hand, safety lock. Scissors grip. Positively leaves one hand free. Cow proof—fool proof—always safe. Insist on this genuine one hand lock.

**6.** Structural steel side bars. Specially rolled from U bars  $1\frac{1}{4}$  in. x  $1\frac{1}{4}$  in. x  $\frac{1}{8}$  in. Extra strong, with large factor of safety to prevent breakage.

**7.** Northern birchwood linings cut from live growth, thoroughly seasoned. Carefully shaped, polished, and then dipped in pure linseed oil. Bolted to side bars with  $\frac{1}{4}$  in. sherardized bolts.

**8.** Weighs about  $29\frac{1}{2}$  pounds in baked enamel finish and 31 in hot galvanized finish. More material and more good material than ever before went into a stanchion. It means years of dependable service.

**9.** Three neck space adjustments that work— $5\frac{1}{3}$  in.— $6\frac{1}{2}$  in.— $7\frac{3}{4}$  in., for springing heifers to full grown holstein cows.

**10.** Two-point double chain hanger. Relieves strain at bottom of stanchion. Same idea as harness tugs. Worth a lot if it is a genuine double two-point suspension chain hanger. Chain hand made by us from  $\frac{3}{8}$  in. open hearth, basic steel chain wire.

**11.** Bolts holding stanchion to concrete curb are removable. A big feature very little thought of until time to replace curb bolts. Then there is trouble breaking them out of concrete. All bolts in Jamesway Stalls that might wear, are removable, quick and inexpensive to replace.

**12.** A full line of fittings for attaching our stanchions to all types of stall frames are shown and described on page 90.

## Stanchion No. 3007

Same as 3007W except that it is supplied without wood linings.

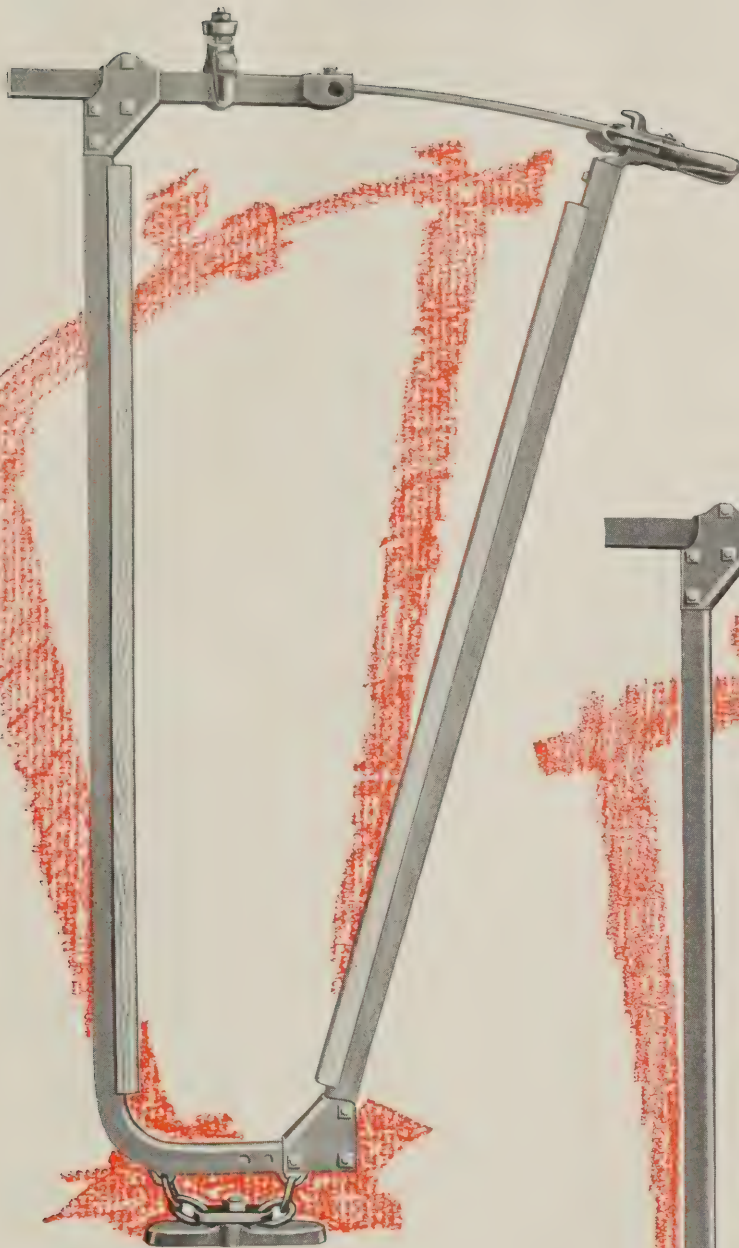


# PEERLESS

## *Stanchion No. 3008*

(Below)

Identical in all respects with 3007W shown on page 86 except that it is furnished without wood linings and the alignment device for adjusting short or long cows to the gutter. Both features may be added later if so desired. Finished in baked battleship grey enamel or our more lasting finish, Hot Dip Galvanized. Top and bottom fittings for attaching our stanchions to stall frames are shown on page 90.



# PEERLESS

## *Stanchion No. 3008W*

(Above)

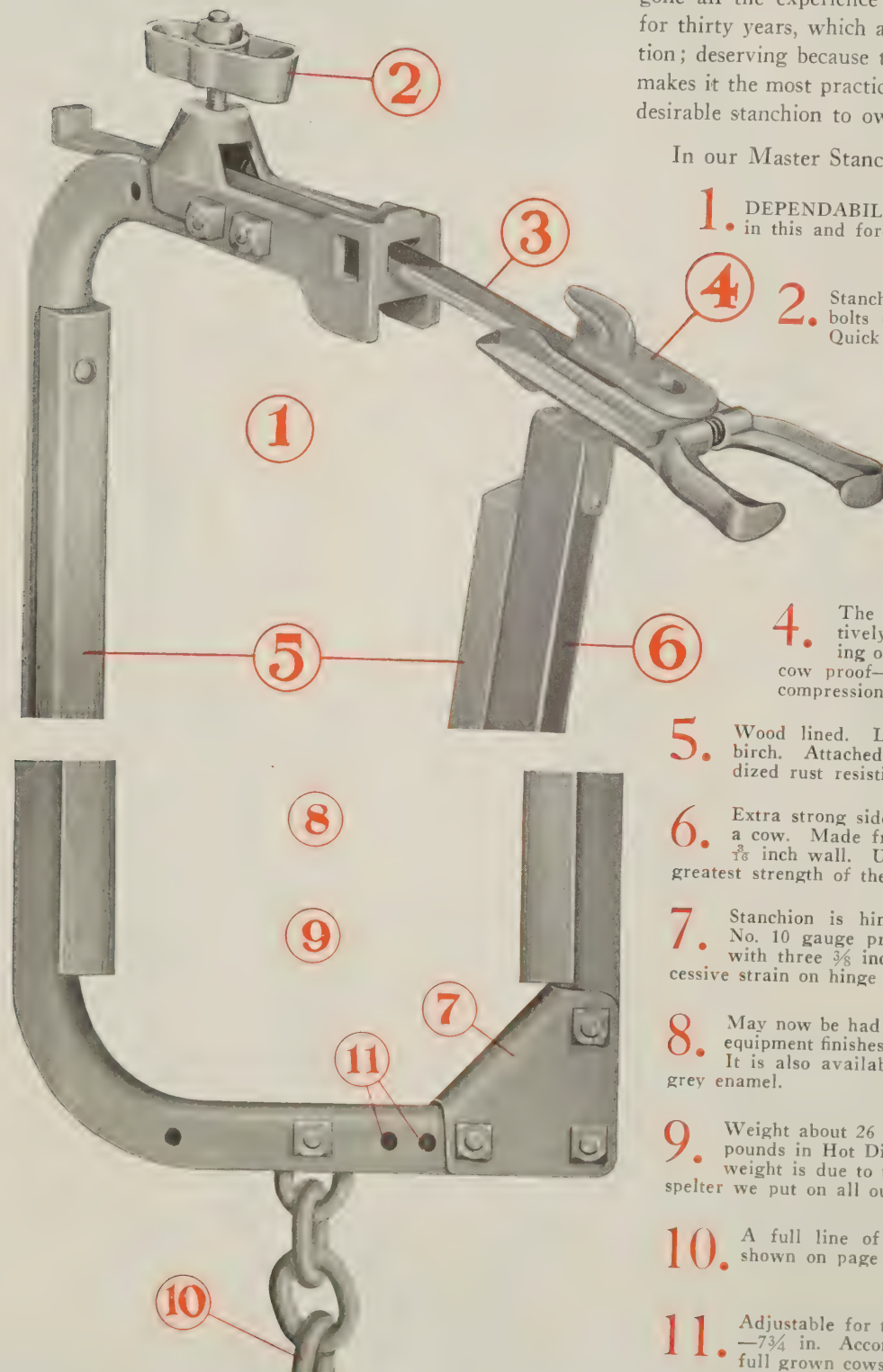
Where young stock or dry cows are kept and cleanliness is not essential, our 3008W will answer every practical purpose. It is in all respects the same as our No. 3007W shown on the opposite page except that it is not furnished with the alignment device and is, therefore, not adjustable for short or long cows. This stanchion is available in either baked enamel finish or the very practical Jamesway Hot Dip Galvanized finish. For fittings to attach our stanchions to stall frames, please turn to page 90.



# The MASTER *Stanchion* No. 1042W

Of the many stanchions Jamesway has built, none are more deserving of their popularity than our Master Stanchion shown on this page. Deserving because into it has gone all the experience gained in building dependability for thirty years, which alone makes for customer satisfaction; deserving because this stanchion has everything that makes it the most practical, the most convenient and most desirable stanchion to own.

In our Master Stanchion we offer you:



**1.** **DEPENDABILITY** proven on thousands of farms in this and foreign countries.

**2.** Stanchion swivels on heavy  $\frac{1}{2}$  x 2 inch bolts obtainable at any hardware store. Quick and easy to replace.

**3.** Solid top guide. Prevents wracking and twisting of stanchion. Hinged side bar cannot fall to floor. Our top guide permits stanchion to open and engage stall post of stalls up to 3 ft. 8 in. wide, giving cow sufficient room to enter without injury to head or horns.

**4.** The only genuine one hand lock. Positively leaves one hand free when opening or closing stanchion. Scissors type—cow proof—fool proof—always safe. Strong compression spring.

**5.** Wood lined. Liners made from select northern birch. Attached to side bars with heavy sherardized rust resisting bolts.

**6.** Extra strong side bars which cannot be broken by a cow. Made from rolled steel  $1\frac{1}{4}$  x  $1\frac{1}{4}$  with a  $\frac{1}{8}$  inch wall. U shaped and placed to utilize the greatest strength of the bar.

**7.** Stanchion is hinged with a tough, unbreakable No. 10 gauge pressed steel hinge bolted in place with three  $\frac{3}{8}$  inch bolts. Top guide prevents excessive strain on hinge so that it always works.

**8.** May now be had in the most practical of all stable equipment finishes—Jamesway Hot Dip Galvanized. It is also available in Jamesway baked battleship grey enamel.

**9.** Weight about 26 pounds in enamel finish and  $27\frac{1}{2}$  pounds in Hot Dip Galvanized. The difference in weight is due to the pound and a half of hot zinc spelter we put on all our Hot Galvanized stanchions.

**10.** A full line of fittings for our stanchions are shown on page 90.

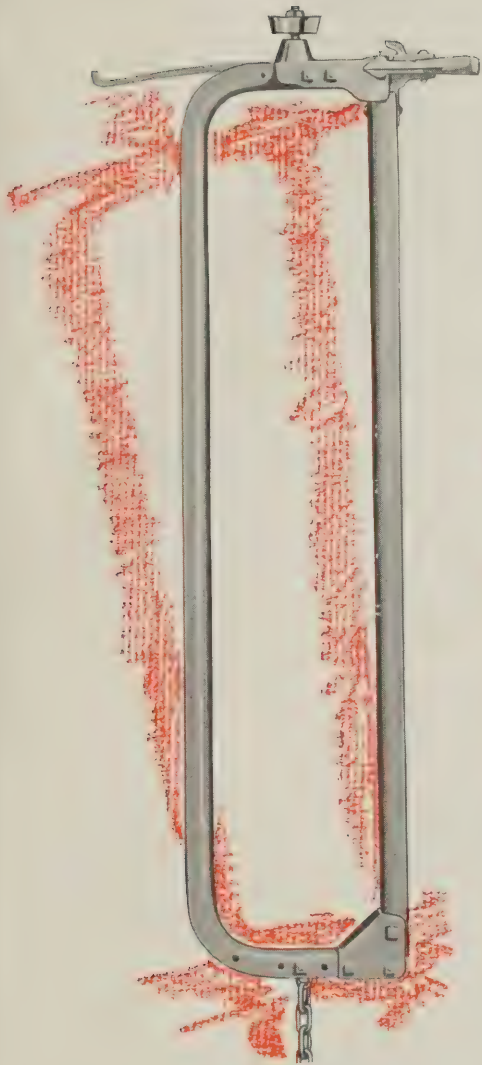
**11.** Adjustable for three neck sizes— $5\frac{1}{3}$  in.— $6\frac{1}{2}$  in.— $7\frac{3}{4}$  in. Accommodates springing heifers and full grown cows.



# MASTER *Stanchion No. 1044W*

(Below)

This is our No. 1042W Master Stanchion shown on page 88 fitted with alignment device for adjusting short and long cows to the gutter. Keeps cows and milk cleaner. Seven adjustments, 5 inches each way from center of curb and top rail. Top and bottom alignment. Finished in baked grey enamel or Jamesway Hot Dip Galvanized, the best finish ever put on stable equipment. Weighs about 27½ pounds in the enamel finish and a pound and a half more with Hot Galvanized finish. This Stanchion may be had without wood liners. Order No. 1044. Stanchion fittings on page 90.



# MASTER *Stanchion No. 1042*

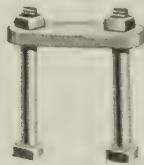
(Above)

Our No. 1042 Master Stanchion is identical with 1042W shown on the opposite page, except that it is supplied without wood linings. Neck space adjustment provides openings of 6½, 7¾ and 9 inches. May be had in baked grey enamel or hot dip galvanized finish. Weighs about 24 pounds in enamel and 25½ pounds in hot galvanized finish. Please turn to page 90 for stanchion fittings.



# Stanchion and Miscellaneous Fittings

## TOP FITTINGS FOR STANCHIONS



**No. 202**  
**WOOD**  
**RAIL**

Strong steel plate and two bolts  $\frac{7}{16}$  x 3 in. for attaching non-aligning stanchions to 2 x 4 top rail. May also be had with 5-inch bolts for 4 x 4 frame.



**No. 117**  
**ROUND**  
**PIPE**

A malleable fitting with U-bolt for attaching our non-aligning stanchions to  $1\frac{5}{8}$  O. D. round top rail stalls.



**No. 114**  
**SQUARE**  
**PIPE**

A malleable fitting with U-bolt shaped to attach our non-aligning stanchion to  $1\frac{1}{2}$ -in. square top rail.

## BOTTOM FITTINGS FOR STANCHIONS



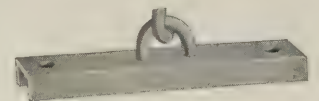
**No. 1017**  
**CONCRETE CURB**

Pipe anchor less chain for non-aligning stanchions. Length 9 in., extends into concrete 8 in. Shaped to hold tight. Chain attached with  $\frac{3}{8}$ -in. removable bolt.



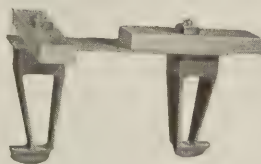
**No. 201**  
**WOOD CURB**

Hook Bolt for attaching non-aligning stanchions to curb or top rail.



**No. 1035 WOOD**  
**or CONCRETE**

Channel fastener  $1\frac{1}{2}$  x  $8\frac{3}{4}$  for securing our non-aligning stanchions to wood or concrete curbs.



**No. 997 CONCRETE**

Jamesway Stanchion Anchor complete with wood templates for placing in forms as illustrated. Bolts removable without breaking curb. A solid substantial stanchion anchor. Used on aligning stanchions only.



**No. 225**  
**WOOD**

A simple malleable fastener for attaching non-aligning stanchions to wood curbs. Chain slips over end.

**No. 811 COW STOP**

Particularly adapted for stanchions which are to be hung in wood frame stalls or steel stalls which are without our rigid or swinging sure stops. Supplied with any of our regular stanchions. May be had in either enamel or hot galvanized finish. Shown left above.

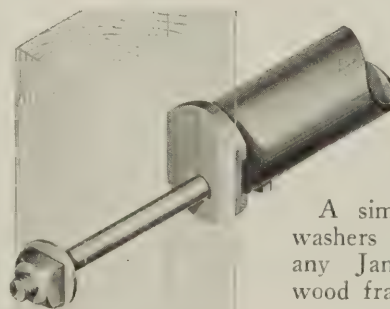
**No. 133 RIGID SURE STOP**

Made of  $1\frac{1}{8}$  inch pipe and attached to right side of stall frame. (Illustration on page 73.) Steers cow into open stanchion.

**No. 2010 NECK CHAINS**

May be fitted to any of our stanchions. Prevents cows from lying down while being milked.

## MISCELLANEOUS



**No. 839**  
**PARTITION**  
**HOOK**  
**BOLT**

A simple hook bolt with washers and plates to attach any Jamesway partition to wood frame stalls.



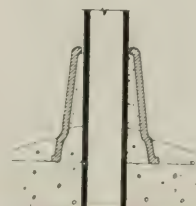
**No. 226**  
**FLOOR FLANGE**

For attaching stall partitions to wood floors. Uses four lagscrews. Either finish.



**No. 110**  
**PARTITION ANCHOR**

For stalls temporarily erected on concrete. Always furnished with flange.



**No. 937 RUST SHIELD**

For old-style partitions that extend back into the moisture zone. This shield slows down corrosion. Not needed with our new style comfort stall partition because end of partition is out of moisture belt.



The equipment you see here has been in use by the Bowman Dairy, at Trinidad, Colorado, since 1911. "We have used our equipment continuously every day in every way, and it is amazing how much strain and wear they will stand," writes Mr. H. W. Bowman. And listen to this after 20 years' use: "They make it easier to keep the cows clean, which is very necessary as we must produce a clean milk for our patrons."



Here's another old-time installation on the John Greer Estate near New Castle, Pennsylvania, about 20 years ago, still good for another turn of service. Who will say how long, 10, perhaps 20 years. Certainly they have served well thus far and look good for as many more years. Both this and Bowman installation shown above were supplied in a hot galvanized finish, which was special in those days.



# *Prevent this waste...avoid injury*



There are a great many things that must be done in the dairy business in order to make a profit. Most of them cluster right around where the cows are fed most of the year. Cows must be fed right to make a profit. Scarcely any two cows should be fed just alike.

To feed each cow as she should be fed it is necessary to have a manger so arranged that she can be given just what she needs without any interference from her neighbor, and without crowding and pushing to get her feed.

"I want to know that a cow relishes her feed and cleans up her plate. When she's 'off her feed' I want to know it, and I want to know it quick!" says a successful dairyman.

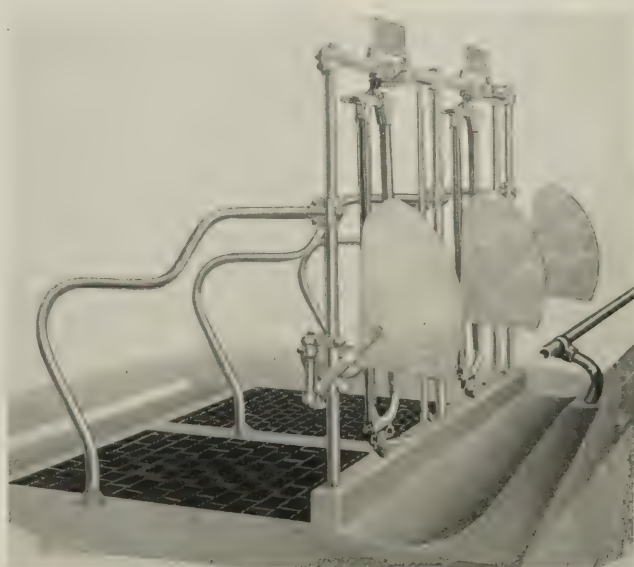
The easiest way to feed each cow according to her need for producing milk economically, the easiest way to keep tab on each cow is to

feed individually in a manger with manger divisions.

Where the feed is thrown along a manger trough, or on a flat floor, there is more or less waste. The successful dairyman knows the real value of good feed. He does not waste it. A properly designed manger and Jamesway manger divisions help to save feed.



Typical Low Manger.



Latch Holds Manger Divisions Up.



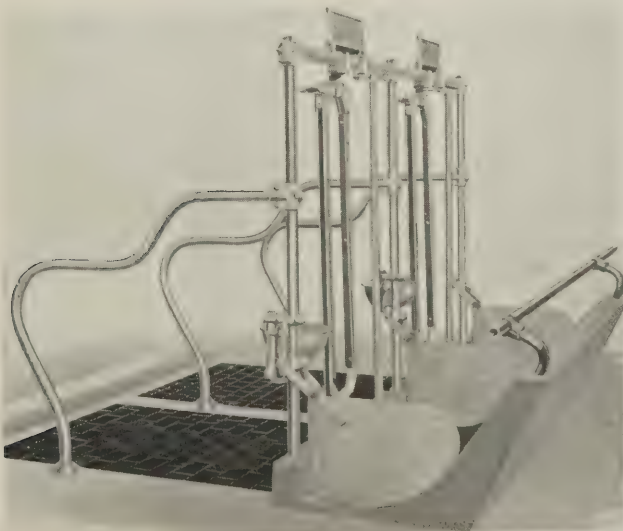
# Use Jamesway Manger Divisions



Manger divisions enable you to give each cow exactly what she needs. They prevent the greedy eater from robbing her slower neighbor. Big and bruised knees, caused by cows pushing so hard to get feed beyond their reach that they slip down and bruise their knees, can be prevented by using the right kind of manger. Sometimes cows strain themselves reaching for feed so as to cause abortion. This, too, is often traceable to improper manger design and equipment.

Jamesway Manger Divisions are among the very best investments the careful dairyman can make. They pay for themselves many times over by preventing feed waste, by the increase in production that follows individual feeding, by helping to prevent big knees and possible abortion.

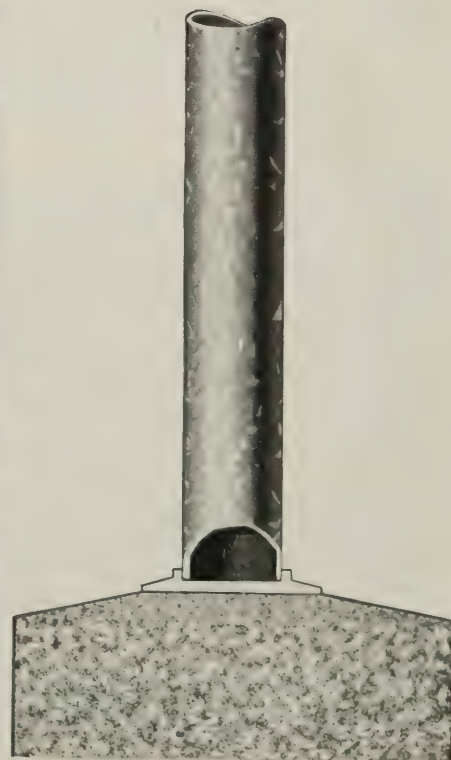
Before you lay your floor let our Jamesway man show you the several types of mangers in general use that insure the best results. Let him tell you of the short cuts in concreting that will save you money when you come to build your manger.



Jamesway Manger Divisions.



Typical High Manger with Guard Rail.





# Jamesway Supporting Steel Columns

## *Strong, Neat, Safe, Clean, Permanent*

## Hot Galvanized Inside and Out

Jamesway Supporting Steel Columns are now finished in the New Hot-Dipped Galvanized Finish. Inside as well as outside they get a protective coating of the best rust resisting material known—hot galvanizing. The rust hazard is now reduced to a minimum. Be sure and specify Jamesway Hot Dip Galvanized Columns.

Jamesway steel columns have every advantage over wood posts, that steel stalls have over wood stalls. They combine strength with neatness—Wood posts of equal strength would have to be about three times as large. Our steel columns do not obstruct the sunlight, as wood posts do. They have a hard, smooth, sanitary surface. No cracks and rough places, as on wood posts, to collect dust and harbor disease germs.

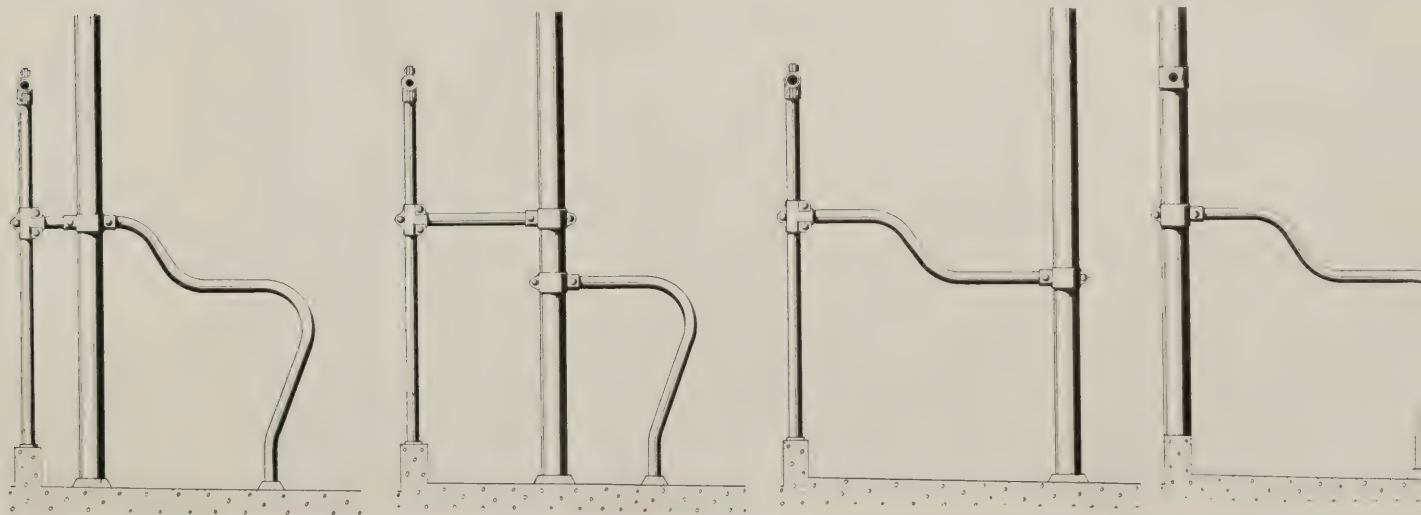
The saving in space is important. Where a heavy wood post may reduce the width of one or two stalls, no room is lost in either stalls or pens, with Jamesway steel columns. They can

be set in the stall partition, or at its rear, or in a pen panel without taking away from its efficiency or room. Plan in advance the placing of columns. A Jamesway man can help you a lot with this detail.

Base and cap are included with each column. Where it is desired, the galvanized surface can be covered with our grey enamel. Jamesway columns of the right size may be used in dairy barns, horse barns, hog houses, poultry houses, or wherever supporting columns may be needed.

When arranging your floor plan, it is very important that the supporting columns be correctly spaced, both crosswise and lengthwise of barn. Otherwise the location of the columns, whether of wood or steel, may interfere seriously when you come to put in stalls and pens. We will gladly tell you how best to locate the supporting columns. Give inside dimensions of the stable and number of animals to provide for.

Shown here are the four standard locations for columns crosswise of the stall frame. It is equally important to correctly space them in line with the frame. A great deal of money, valuable space and even time can usually be saved by planning the stable before work is started. We will gladly help you with this detail. No obligation. Just write our nearest office.



# Lock the cows in ... turn them out *with one pull of the lever*

Patented.

The Jamesway Lever Stall has many enthusiastic champions. "If I were building one hundred barns," writes one of them, "I would have none but Jamesway Lever Stalls. They save me a good many steps and a good many minutes."

For the man who wants all of the features found on Jamesway Comfort Stalls—hot dip galvanized, alignment, neck space adjustment, anchors, comfort stall partition—plus lever control, we have developed a new Lever Stall described here and illustrated on opposite page.

Just one easy pull of the lever closes and locks every stanchion in the stall row. For safety, the lever can then be locked in place, with no danger of the stanchions being opened

until desired. To turn the cows out, pull back the lock, lift the operating lever, opening all stanchions at once.

The lever control will open and close the stanchions, no matter at what angle a stanchion may be turned. This is very important, as in some lever stalls, when the cow has her head in a certain position, the stanchion will not open when the lever is thrown.

When one or more cows are to be kept in the barn, while the others are turned out, their stanchions can be locked and will remain closed. Or when one or two animals are to be tied, their stanchions can be closed, independent of the lever control, while the rest of the stanchions remain open.

## *Specifications*

**Tubing:** Top rail, uprights and stall partitions are made from new process Jamesway Specification ELECTRICALLY WELDED high carbon steel tube with NORMALIZED physical properties. Tube sizes given below. For further details please turn to page 67.

**Uprights:** Round,  $1\frac{5}{8}$  inch outside diameter. Wall thickness .112. Uprights extend to curb anchors as described on pages 82 and 83.

**Top Rail:** Two pieces Jamesway specification angles,  $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$  inch securely fastened together with 5 malleable castings per stall.

**Operating Mechanism:** Extremely simple and efficient. Throw bar of  $\frac{1}{2}$  inch solid Jamesway specification

steel rod opens or closes all stanchions with one operation or each stanchion can be opened and closed individually. Operating lever 18 inches long, of Jamesway malleable, automatically locked when closed, so stanchion cannot be opened by cow.

**Sure Stop:** One on both sides of stall upright. Made of  $1\frac{1}{8}$  inch O. D. tube.

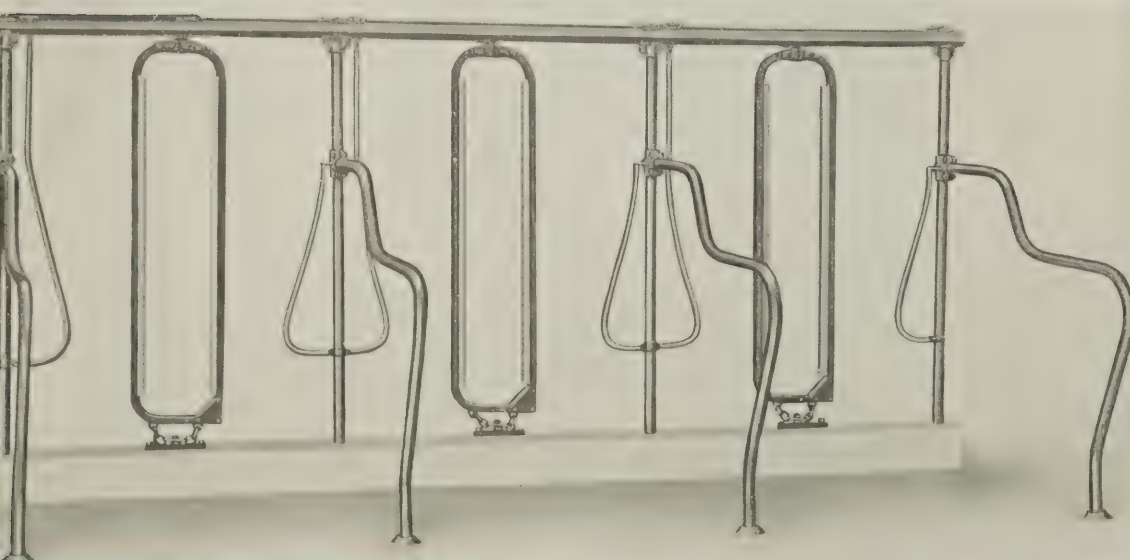
**Partitions:** Round,  $1\frac{5}{8}$  inch outside diameter. Wall thickness .112 inch. Details of this new Comfort type partitions are given on pages 68 and 69.

**Fittings:** Tight-grip Malleable made in Jamesway Foundries. Described in further detail on page 66.

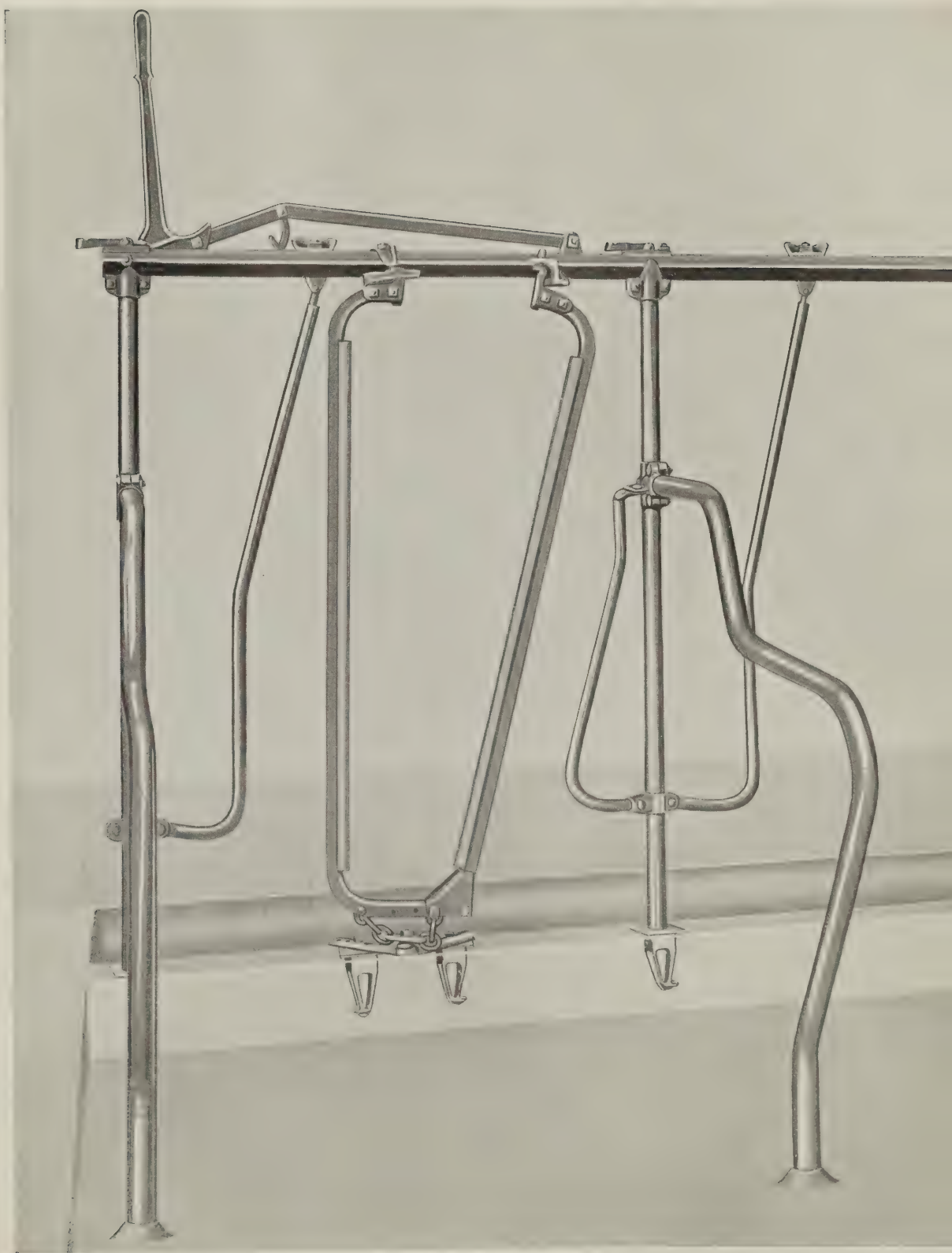
**Bolts:** Over size throughout. Made to Jamesway Specifications. More details on page 68.

**Finish:** Available in either the new popular Jamesway Hot Dip Galvanized coating described on pages 64 and 65 or Baked - On Enamel in Battleship Gray. All parts of Jamesway Stalls are thoroughly cleaned of scale and grease before finishing.

**Stanchion:** Standard Jamesway quality. Double chain hanger. Adjustable in neck space, wood lined for cow comfort with adjusters for lining cows up at gutter.







*Lever* Stall No. 9200—without alignment No. 9100

# Jamesway *Lever* Stall No. 8100 Patented.

We know of no lever stall which offers so many features combined in one stall as does our lever stall 8100 described here and illustrated on the opposite page.

Besides the lever feature itself, this stall offers you a half revolving stanchion when locked. Dairymen will quickly appreciate the advantages of this one feature alone.

In addition we have developed a stanchion which opens from any position. That is to say, the stanchion will open with the lever even though it happens to be at right angles to the top rail. It is the only lever stanchion with a continuous top guide eliminating all strain on hinged arm of stanchion.

The stanchion lock is located near the center of the stall which makes it unnecessary for the operator to reach over the cow's back when letting out individual cows.

An auxiliary lock permits locking cows in individually without using the lever. This feature will be appreciated more perhaps by people who are now using lever stalls, than by those considering their purchase. It is one of the greatest improvements we ever put on a Lever Stall.

The lever operates the left hand sure stop. Throws it into position when the stanchions are being opened. Throws it out of the way when the stanchions are closed, making of this stall a genuine Jamesway Comfort Cow Stall.

A new feature of considerable value is a new lock we have added to the lever, which locks it and the stanchions.

Stanchions are double chain hung, wood lined, and made of the same high quality materials as our regular stalls.

## *Specifications*

**Tubing:** Top rail, uprights and stall partitions are made from new process Jamesway Specification ELECTRICALLY WELDED high carbon steel tube with NORMALIZED physical properties. Tube sizes given below. For further details please turn to page 67.

**Uprights:** Round,  $1\frac{5}{8}$  inch outside diameter. Wall thickness .112. Uprights extend into curb.

**Top Rail:** Two pieces Jamesway specification steel angles,  $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$  inch securely fastened together with 5 malleable castings per stall.

**Operating Mechanism:** Extremely simple and efficient. Throw bar of  $\frac{1}{2}$  inch solid Jamesway specification steel rod opens and closes all stanchions with one op-

eration or each stanchion can be opened and closed individually. Operating lever 18 inches long of Jamesway malleable, automatically locked when closed, so stanchion cannot be opened by cow.

**Sure Stop:** One on both sides of stall upright. Made of  $1\frac{1}{8}$  inch O. D. tube. May also be had with stanchion side bar sure stop.

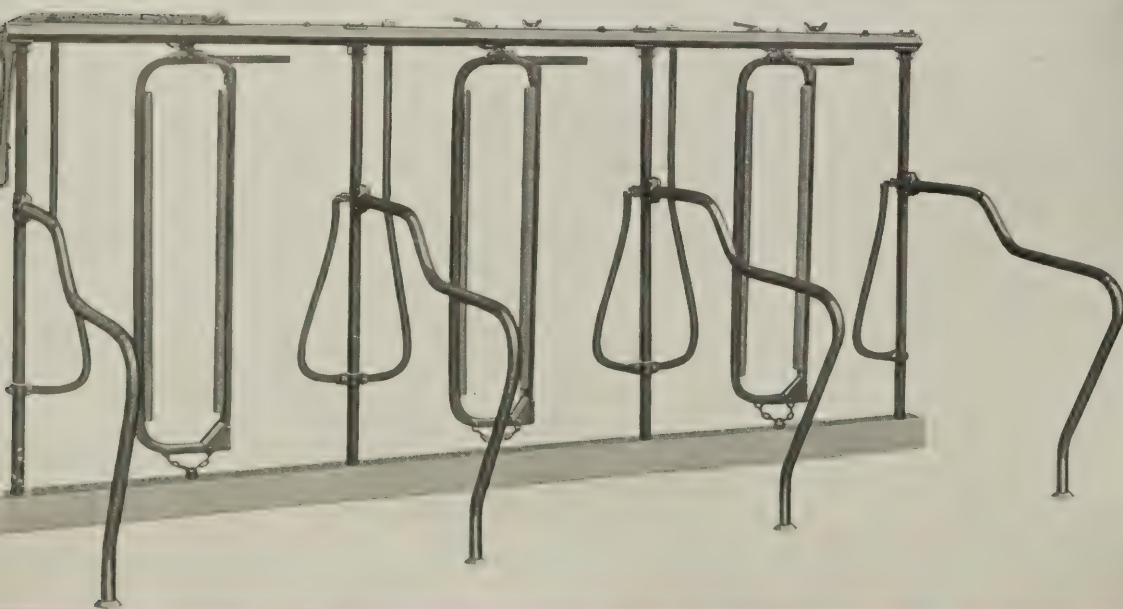
**Partitions:** Round,  $1\frac{5}{8}$  inch outside diameter. Wall thickness .112 inch. Details of this new Comfort type partition are given on pages 68-69.

**Fittings:** Tight-grip Malleable made in Jamesway Foundries. Described in further detail on page 66.

**Bolts:** Over size throughout. Made to Jamesway Specifications. More details on page 68.

**Finish:** Available in either the new popular Jamesway Hot Dip Galvanized coating described on pages 64 and 65 or Baked-On Enamel in Battleship Gray. All parts of Jamesway Stalls are thoroughly cleaned of scale and grease before finishing.

**Stanchion:** Standard Jamesway quality. Double chain hanger and continuous top guide. Adjustable in neck space, wood lined for cow comfort.







*Lever* Stall No. 8100 with new improvements



## Arch Type Tie Stalls      Rail Type Tie Stall

Patents Pending.

Among breeders of fat stock there is a demand for a more comfortable and sanitary method of stabling than has been common practice. These men also argued that an animal would bring a better price if there were some means of showing their stock to better advantage. A good many years ago we made up the first arch type feeding stalls. Since then more and more fat stock men have installed the Jamesway Arch Type Feeding Stall. A single stall consists of one arch, one stall partition, and one halter chain with necessary rings and fasteners. It is also sold without neck chains. Water Cups and Manger Divisions may be attached to this stall, likewise Salt Cups. All are an essential part of any completely equipped stable. As there are many special requirements to the installation of Arch Type Feeding Stalls, we suggest that prospective users correspond with us before proceeding with their plans.

Early Dutch settlers of Pennsylvania had a stall of which this is an adaptation. We have been making them up on special order for a number of years. For the stabling of mature fat stock both this and the Arch Type Stall have a worth while purpose. That the animals are more comfortable than in the old wood stalls there can be no question. Likewise, sanitation is improved. Then too, there is the sales value that comes from showing the animals to better advantage. We know this to be true because of similar experience reported to us by customers who have used our standard cow stalls. One shortcoming of both this and the Arch Stall is that young stock cannot be successfully tied in them. A feature of the Rail Stall is a device to adjust the size of the cow's head. The idea being to keep the animal clean. We have never seen this worked out successfully and therefore, hesitate to pass on it.



Jamesway Arch Type Tie Stalls in the barn of Mrs. E.M. Howard, near Lebanon, Indiana. Jamesway ventilated.

Both Arch and Rail Type Stall should always be used with high concrete mangers.



Rail Type Tie Stalls in barn of J. Frank Zollar, Schenectady, N. Y. Stalls equipped with both salt cups and water cups. Jamesway ventilation also part of the equipment.



Manger view of Arch Type Tie Stalls in barn of Donald Woodward, Le Roy, New York. Note location of water cups. Barn is also Jamesway ventilated.





Jamesway Tandem Milking Stalls, at Sibley Farms, Spencer, Massachusetts. This view is taken from the milker's side of the stall.



View of Jamesway Tandem Stalls from the gate side. A depressed milker pit is used in this installation. Located on Charmany Farm, near Madison, Wisconsin.

Patented.



# Jamesway Milking Parlor Stalls

Patents Pending.

The Milking Parlor idea was first introduced into this country about 15 years ago. It came from New Zealand, where this method has been in quite general use for some time. After much discussion and some trials, interest died down. Now it is back again. This time it looks as if it may stay with us.

Briefly, the principal features are these: Groups of cows are passed through a washing room and then on into a milking room. The numbers passing through at one time depend upon the size of the herd and the number of operators. Usually they come through in multiples of four as that seems to be about the number one operator can handle.

A milking machine is used. In some installations this is a Combine Milker which delivers the milk direct to the milk room through pipes.

It is claimed for the milking parlor idea that it materially reduces the cost of milk production. We have not seen any authoritative figures, though it does appear that there might be some saving effected.

There are two types of Milking Parlors. One is known as the Tandem Type. It passes the cows through in a single file. When the cows go through abreast as in the second type, it is called the Abreast Type.

There are many Jamesway installations of both types in use. The selection of type depends more upon stable arrangement and location of dairy than other factors. We show on these and nearby pages illustrations of a few recent Jamesway installations of varied types.

The personal services of a member of our Engineering Department is available to operators of plants who are considering the installation of milking parlors.

Jamesway Abreast Type Milker Stalls viewed from the observation room at Sheffield Farms, Pompton Plains, N. J.



# A Few Recent Jamesway Installations of



Jamesway Wash Stalls at Charmany Farms, Madison, Wis.



In the milker's pit of a Jamesway Tandem Stall Installation at Charmany Farms.



Lonicer Farm, Douglasville, Pennsylvania. Jamesway Arch Type Stalls and Ventilation.



Walhalla Farm, Schenectady, New York.



John B. Dennis dairy barn, Churchill, Tennessee, equipped with tie stalls.



# Milking Stalls, Testing and Tie Stalls



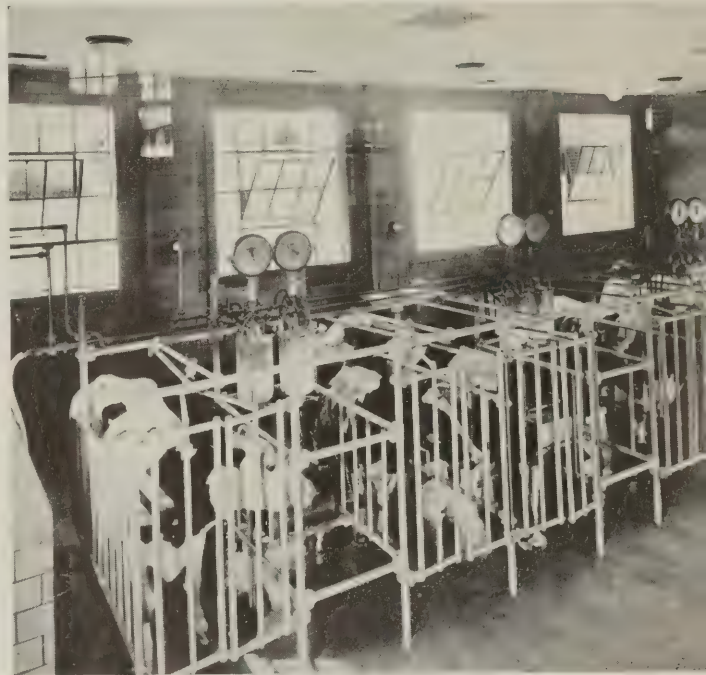
Jamesway Test Stalls at R. L. Benson farm near Princeton, New Jersey.



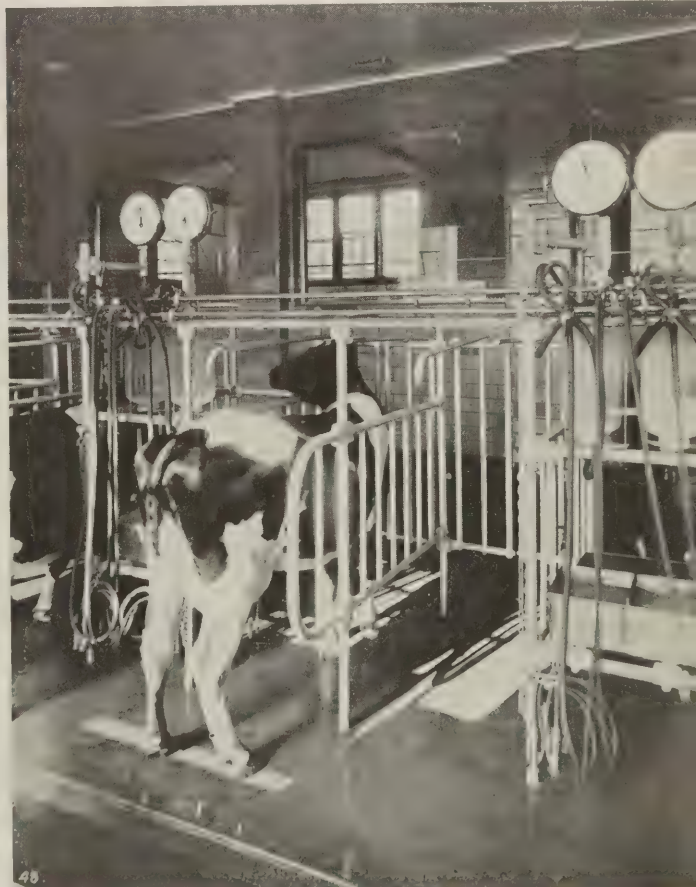
Rear view of test stalls shown above.



Jamesway Abreast Type Milker Stalls, at Neshaning Farms, Newton, Pennsylvania.



Close up, Jamesway Abreast Type Milker Stalls, Sheffield Farms.



Rear view of Abreast Type Stalls at Sheffield Farms, Pompton, New Jersey.



# Helping Dairymen develop better herds... *Jamesway Sanitary Steel Pens*

The best way to develop a herd, and the most economical, is to develop from the ground up. Give the best possible care and attention to the development of calves and young stock from the best cows bred to a proven sire.

It is not only important to have a good bull and a good cow, but it is equally important to give the bull and cow and especially the offspring, every possible care and attention. Only with good equipment can this be accomplished.

Jamesway Sanitary Steel Pens in thousands of barns are helping to do this. They are helping to develop better dairy herds by providing the largest possible amount of comfort, cleanliness, and sanitation. Less time is spent in caring for the animals. Feeding devices make feeding easier and much less wasteful. Recovery from sickness or injury is greatly aided.

Then there are other advantages. The most important has to do with showing your stock to good advantage. Appearances mean much. Animals properly shown sell more readily, or for more money.

Every dairyman should have at least a bull pen, a cow pen and a calf pen. They make much easier the work of caring for the herd, and save considerable time. They are more lasting than wood because of the strong material of which they are made, the workmanship used, and their design.

Your animals will not only do better in Jamesway Sanitary Steel Pens, but they can be shown to much better advantage. The dairyman who takes pride in his herd wants to take good care of his animals. He likes to have them look well. He likes to keep them in good condition. That is the reason he knows the real value of Jamesway Sanitary Steel Pens.



Maternity Pens at Walhalla Farms, Schenectady, New York. Bull Pens in the far corner.



# Better than ever..*Now Hot Galvanized*

Perhaps nowhere in the Jamesway Barn Equipment line does the new Hot-Dip Galvanized finish make quite so good an appearance as on Jamesway Sanitary Steel Pens. And nowhere is this new and better finish so important as on Jamesway pens. Their sanitation is of utmost importance and the bright, hard, smooth, rust-resisting Jamesway Hot Galvanized finish simplifies the problem of cleanliness.

We most assuredly recommend the new galvanized finish for pens. For those who prefer it, the familiar Jamesway gray enamel finish is available.

Jamesway equipment has always been the standard by which all other makes of equipment are judged. With the coming of the new galvanized finish Jamesway is farther in the lead than ever before.

Everywhere nowadays dairymen appreciate the high quality and practical features of Jamesway Equipment and frankly acknowledge its superiority.

So firmly has this idea of James high quality become fixed in the minds of dairymen, that many imagine Jamesway Equipment must of necessity be higher in price. This is natural, for all of us expect to pay most for the best of anything.

As a matter of fact, and to be sure no one carries that impression with him, let us say here that Jamesway Equipment is not higher in price than ordinary equipment. True, it is worth more, but it does not cost you more. And when features, and lasting qualities are considered, it is much lower in price. After all, it is the every day cost that is more important and in this respect Jamesway Equipment is in a class by itself.

Jamesway Outdoor Bull Paddock at C. P. Knight's farm, East Greenwich, R. I.



# Trust no Bull... *Use* a Jamesway Pen

Patented.

Have you ever noticed that it is the bull that is usually considered gentle that does most of the killing? A sudden fit of temper without warning and someone is injured or killed.

Why do men continue to take chances with the bull? If they are not thinking of themselves, surely they ought to think of others.

No bull *can* be trusted. No bull *should* be trusted. It is almost criminal negligence to do so. Put the bull, gentle or otherwise, in a Jamesway Bull Pen. Play safe. Don't take chances. One funeral bill will buy Bull Pens for the whole neighborhood. In a Jamesway Pen it is safe to work around the bull. Get him into the stanchion and lock it. Then go into the pen. Not before.

Gates (see page 110) are equipped with safety latches. Slam the gate and it is locked.



A safety pin and disappearing handle must be raised together before the latch can be turned. That's more safety. A bull has never been known to break through a Jamesway Bull Pen—that's more safety. Get a Jamesway Bull Pen and be safe.

## Corner Manger

For the cow or bull pen we recommend our circular panel corner manger with stanchion and low panel manger fronts. For all around use, this is the most convenient, safest and most practical way of securing and feeding the animal kept in a pen.

Our corner mangers are circular in shape on the pen side with same size rails and spindles as the pen. A stanchion is built into the circular panel. Stanchions have substantial wood liners, are hinged at the bottom, fitted with lift locks at the top and are adjustable for neck space.

For unruly bulls and bulls hard to handle we offer a lever stanchion locking device as extra equipment. This device does away with the lift locks and substitutes an arrangement of lever and bar which permits opening and closing and locking the stanchion at some distance from the animal. Illustration on this and opposite page shows the locking lever.

Low panel manger fronts are very useful. These may be had with or without manger gate fittings.

## Specifications

**Corner Panel:** Specifications are the same as on page 109 for Bull Pens and 111 for Cow Pens with the additions given below.

**Stanchions:** Bars are  $1\frac{7}{8}$  inch outside diameter Jamesway Specification Steel Tube. Stanchions are lined with select, well seasoned, oil soaked Northern birch securely attached to stanchion bars with sherardized fin head bolts. Special locking mechanism optional at slight extra cost.

**Manger Fronts:** Frame of  $1\frac{5}{8}$  inch outside diameter Jamesway Tubing with  $1\frac{1}{8}$  inch outside diameter spindles. Hinged panel gates optional at slight extra cost. Have metal corner braces and single gravity latch with off-set hinges.



# Bull Pen Specifications

Patented.

**Tubing:** New process Jamesway Specification ELECTRICALLY WELDED high carbon steel tubing with NORMALIZED physical properties used throughout. Individual tube sizes will be found below. For more complete details please turn to page 67.

**Panels:** To give greater strength and simplify their erection, Jamesway Pens are made up in short panels. Long  $\frac{7}{16}$  inch bolts run through every fourth spindle securely locking vertical to horizontal members.

**Anchors:** To further reduce the cost of erection, Jamesway Tubular Anchors are provided for Corner, Gate and Intermediate posts. Illustrated and described on pages 114 and 115.

**Corner Posts:** Round, double strength  $1\frac{7}{8}$  inch outside diameter tube with a wall .132 inch thick.

**Gate Posts:** Round, double strength  $1\frac{7}{8}$  inch outside diameter tube with a .132 inch thick wall.

**Intermediate Posts:** Round, double strength  $1\frac{7}{8}$  inch outside diameter tube with a wall thickness of .132 inch.

**Top and Bottom Rails:** Round,  $1\frac{5}{8}$  inch outside diameter tube with a .112 inch wall.

**Spindles:** Round,  $1\frac{5}{8}$  inch outside diameter tube, spaced about 6 inches on centers. Wall thickness .112.

**Fittings:** Tight-grip Malleable made in Jamesway Foundries. Described in more detail on page 68.

**Ornaments:** All posts are capped with a dust proof ornament.

**Gates and Locks:** Complete specifications and illustrations on page 110.

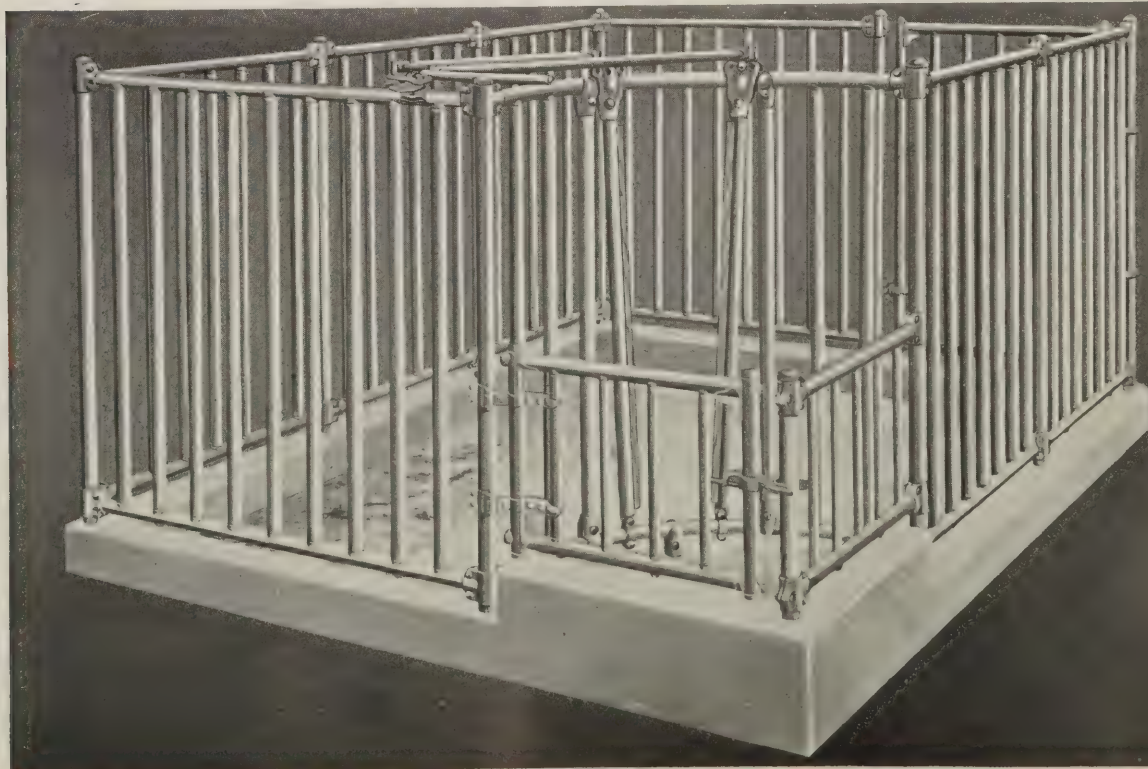
**Corner Mangers:** Please see opposite page.

**Height of Pen:** From floor to top of upper horizontal rail 5 feet  $3\frac{1}{4}$  inches.

**Finish:** Available in either the new popular Jamesway Hot Dip Galvanized coating described in detail on page 64, or may be had in Baked-On Gray Enamel.

**Weight:** Weighs 29.7 pounds per lineal foot in gray enamel and 30.9 pounds in Hot Dip Galvanized finish. The extra weight of galvanizing gives extra protection.

Shipped  
Assembled  
in Panels



# The Jamesway *Maternity* Cow Pen

In most barns the cow pen finds more use than any other pen in the barn. The cow pen is the general purpose all utility place where any and every animal is liable to find domicile at some time or other. That proves a cow pen is badly needed on every farm. Go a step further and make it three pens. One for freshening or sick cows, one for calves, and one for the bull.

James cow pens may be equipped with the Corner Manger, Tilting Manger, or Panel Stanchions. Their selection depends upon the use to which pens are to be put. We suggest you consult the Jamesway man as he can help you to get the right things in the right places.

## Pen Gates

We take a great deal of care in building our Pen Gates so they will not sag, twist or wrack.

Jamesway gates are solidly built, corner braced, bolted, fitted with offset hinges and automatic locks that only need the slamming of the gate to close and lock them. Your especial attention is directed to the two locks we use on every pen gate whether it be a Cow,

Calf or Bull Pen. No less important are the offset hinges and corner angle braces which prevent twisting and sagging.

## Specifications

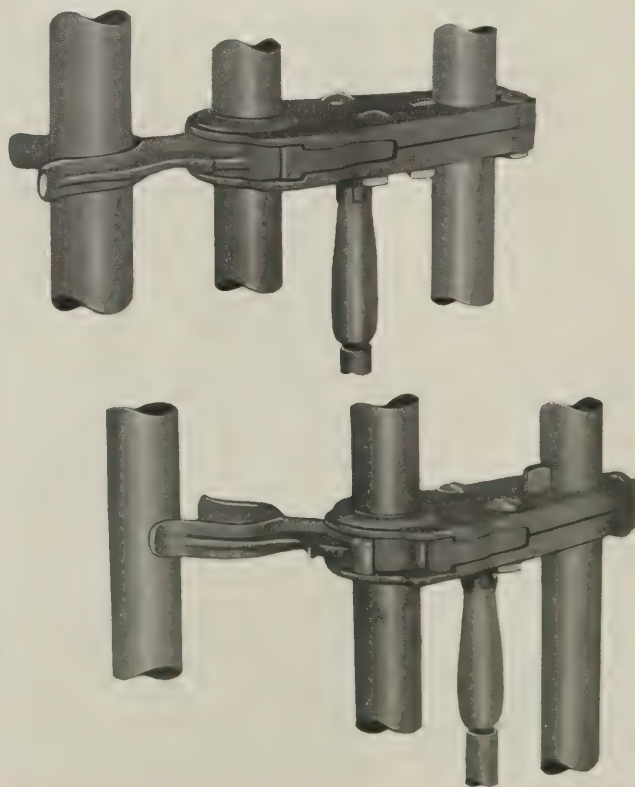
**Gate Panels:** Panel specifications for our pen gates are the same as for the pen in which they are to be used. These are given on page 109 for Bull Pens; page 111 for Cow Pens and page 113 for Calf Pens.

**Corner Braces:** To prevent sagging and wracking, we build into each corner of the gate a malleable iron corner brace. Tie bolts  $\frac{1}{2}$  inch in diameter enclosed within the top and bottom rail give added strength to the construction.

**Hinges:** We use a malleable iron hinge which extends to the second gate spindle, giving greater bearing capacity and overcoming the tendency of the gate to sag. Four  $\frac{3}{8}$  inch bolts secure each hinge in place.

**Locks:** Two locks on each gate overcome the tendency for the gates to twist when pressure is applied to either the top or bottom. These are automatic locks which require nothing more than the closing of the gate to safely lock it securely. Locks cannot be opened except by lifting the disappearing handle and then turning it to disengage the locking mechanism.

**Width:** All gates, whether for Cow, Calf, or Bull Pen are built for a standard 3 ft. 6 in. opening.





# Cow Pen Specifications

Patented.

**Tubing:** New process Jamesway Specification ELECTRICALLY WELDED high carbon steel tubing with NORMALIZED physical properties used throughout. Individual tube sizes will be found below. For more complete details please turn to page 67.

**Panels:** To give greater strength and simplify their erection, Jamesway Pens are made up in short panels. Long  $\frac{7}{16}$  inch bolts run through every fourth spindle securely locking vertical to horizontal members.

**Anchors:** To further reduce the cost of erection, Jamesway Tubular Anchors are provided for Corner, Gate and Intermediate posts. Illustrated and described on pages 114 and 115.

**Corner Posts:** Round,  $1\frac{7}{8}$  inch outside diameter tube with a wall .112 inch thick.

**Gate Posts:** Round, double strength  $1\frac{7}{8}$  inch outside diameter tube with a .132 inch thick wall.

**Intermediate Posts:** Round,  $1\frac{7}{8}$  inch outside diameter tube with a wall thickness of .112 inch.

**Top and Bottom Rails:** Round,  $1\frac{5}{8}$  inch outside diameter tube with a .112 inch wall.

**Spindles:** Round,  $1\frac{1}{8}$  inch outside diameter tube, spaced about  $5\frac{1}{2}$  inches on centers. Wall thickness .112.

**Fittings:** Tight-grip Malleable made in Jamesway Foundries. Described in more detail on page 68.

**Ornaments:** All posts are capped with a dust proof ornament.

**Gates and Locks:** Complete specifications and illustrations on page 110.

**Corner Mangers:** Please see opposite page.

**Height of Pen:** From floor to top of upper horizontal rail 4 feet  $7\frac{9}{16}$  inches.

**Finish:** Available in either the new popular Jamesway Hot Dip Galvanized coating described in detail on page 64, or may be had in Baked-On Gray Enamel.

**Weight:** Weighs 19.4 pounds per lineal foot in gray enamel and 20.3 pounds in Hot Dip Galvanized finish. The extra weight of galvanizing gives extra protection.

Shipped  
Assembled  
in Panels



# Today's Calves... tomorrow's *success or failure*

The kind of calves you raise today determine in a large measure the kind of cows you will milk tomorrow. Your success or failure as a dairyman depends in no small degree on the way calves are given to grow and develop. A weak stunted calf cannot be expected to produce well as a mature cow.

Clean, dry, comfortable quarters, sunlight and fresh air, are mighty important. Feeding is equally important and caring after them is a twice a day job.

## Young Stock Pens

Young Stock Panel is often used to advantage in the barn. Is especially adapted for along the wall where several head of younger animals are to be kept.

The stanchions are adjustable in neck width. All operate by lever control, or may be opened or closed individually. The animals can be tied, when desired.

Give your calves Jamesway comfort in

Jamesway Calf Pens. Feeding and daily care will be greatly simplified. Feed will be saved. Chore time shortened. You will grow better calves and the herd will improve in vigor and producing ability.

Jamesway Calf Pens can be had in any size or shape and for any number of calves from the individual calf pen for one calf to as many as it is desired to house in one pen and with whatever is useful in necessary auxiliary equipment.

## Outdoor Paddocks

Outside exercise yards, made of Jamesway paneling, are neat in appearance, permanent, requiring no repairs. Such a paddock, or pen, for the bull or other stock is especially desirable.

Steel paddocks or yards for cows and young stock are also gaining in favor. For outside feeding a concrete manger can be built.

## Specifications

Young Stock Pens and Outdoor Paddocks may be had in Cow, Calf or Bull Pen sizes and in all respects follow the specifications given on pages 109, 111, 113. Panel stanchions with throw bar are similar in make-up to those illustrated below and in the Calf Pen on the opposite page. Finished in either baked enamel or our practical Hot Dip Galvanizing.



Jamesway Outdoor Young Stock Paddock, with feed manger and panel stanchions. Made up in Bull Pen Paneling. Hot Dip Galvanized finish. A protected watering place is shown at the right.



# Calf Pen Specifications

Patented.

**Tubing:** New process Jamesway Specification ELECTRICALLY WELDED high carbon steel tubing with NORMALIZED physical properties used throughout. Individual tube sizes will be found below. For more complete details please turn to page 67.

**Panels:** To give greater strength and simplify their erection, Jamesway Pens are made up in short panels. Long  $\frac{7}{8}$  inch bolts run through every fourth spindle securely locking vertical to horizontal member.

**Anchors:** To further reduce the cost of erection, Jamesway Tubular Anchors are provided for Corner, Gate and Intermediate posts. Illustrated and described on pages 114 and 115.

**Corner Posts:** Round,  $1\frac{7}{8}$  inch outside diameter tube with wall .112 inch thick.

**Gate Posts:** Round,  $1\frac{7}{8}$  inch outside diameter tube with a .112 inch thick wall.

**Intermediate Posts:** Round,  $1\frac{7}{8}$  inch outside diameter tube with a wall thickness of .112 inch.

**Top and Bottom Rails:** Round,  $1\frac{5}{8}$  inch outside diameter tube with a .112 inch wall.

**Spindles:** Round,  $1\frac{1}{8}$  inch outside diameter tube,  $5\frac{1}{4}$  inches on centers. Wall thickness .112.

**Fittings:** Tight-grip Malleable made in Jamesway Foundries. Described in more detail on page 68.

**Ornaments:** All posts and tube ends are capped with a dust proof ornament.

**Calf Stanchions:** Adjustable in neck space; may be opened and closed one at a time or all together.

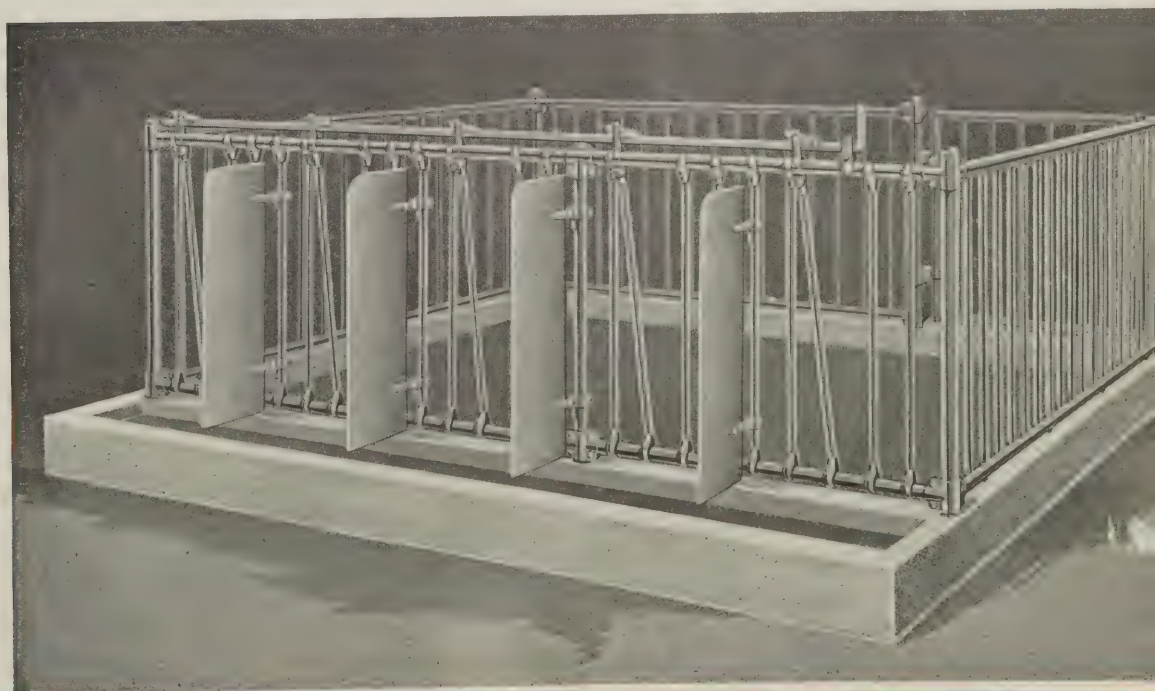
**Anti-Sucking Guards:** (Patented.) Made of 14-gauge galvanized steel,  $10\frac{7}{8}$  x 36 inch. Guards held rigid but easily lifted and swung back against panel.

**Height of Pen:** From floor to top of upper horizontal 3 feet  $9\frac{9}{16}$  inches.

**Finish:** Available in either the new popular Jamesway Hot Dip Galvanized coating described on page 64, or may be had in Baked-On gray enamel.

**Weight:** Weighs 16.7 pounds per lineal foot in gray enamel and 16.9 pounds in Hot Dip Galvanized finish. The extra weight of galvanizing gives extra protection.

Shipped  
Assembled  
in Panels



# The *Easy-way* to Install Pens..Jamesway

Jamesway tubular anchors are all you need when starting your concrete work. If it is a rush job these can be expressed from the nearest distributing point. The floor is laid with these anchors before erecting the equipment.

Anchors are made of 24-gauge steel, 3½ in. O. D. and 9 in. long. They are placed in the concrete forms, following the easily understood directions which are furnished free. When the concrete has hardened sufficiently the pen paneling can be carried in and set up.

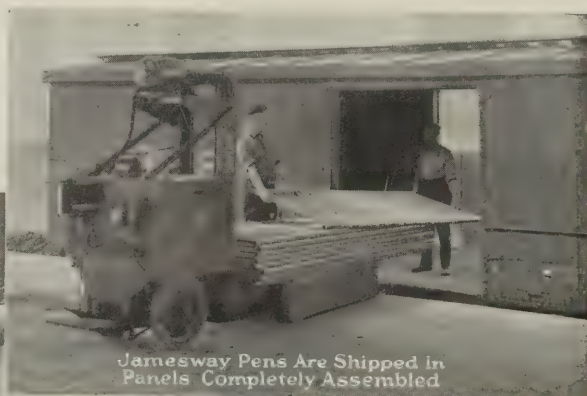
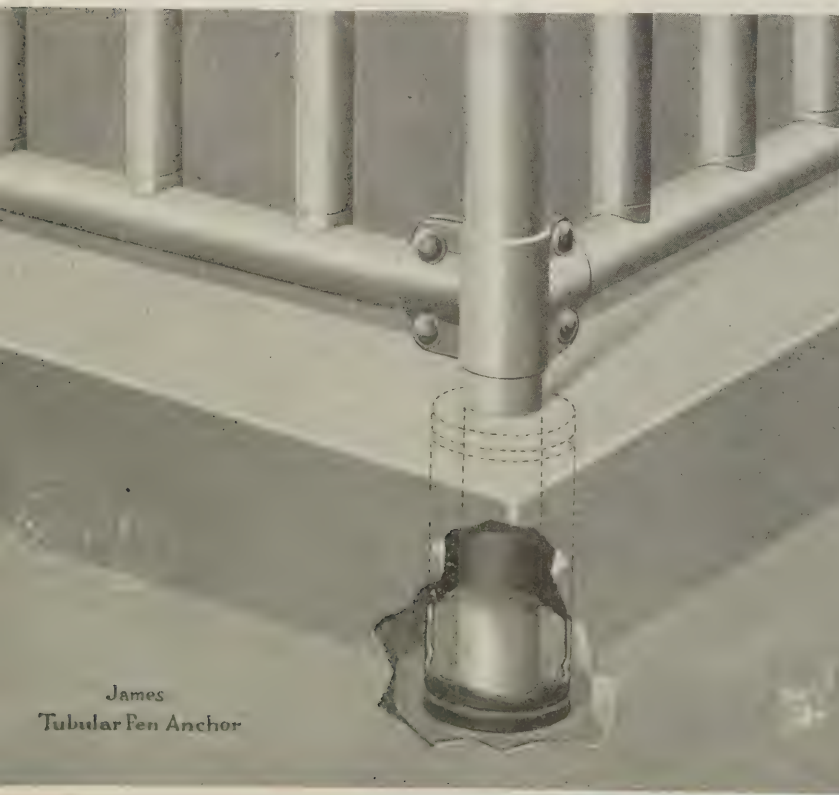
To erect the pens simply set the corner, intermediate and gate posts in the tubular anchors, bolt the panels to the posts, fill the tubular anchors around the posts with concrete. As soon as this sets, your pen is solid and ready for use.

The factory cost of building pens in panels, the Jamesway, is about a third more than for making ordinary pens. They do not cost the

dairyman more than the common type of pens—frequently they cost less. On the other hand, the cost of erection is at least cut in two.

If it takes too much time to do the work in your barn; if you are wasting feed; if you are paying needless doctor bills; if your barn is hard to keep clean; if your cows are thirsty; if there is udder trouble in your herd; if your cows are uncomfortable; if you get too little milk; if the boy is not interested; if your profits are too small; it is costing too much to do without Jamesway equipment.

And you will keep right on having some or all of these troubles—until you put Jamesway equipment to work in your barn.



Jamesway Pens are shipped in panels completely assembled except corner, gate and intermediate posts. They are ready to erect on the finished floor.



# *Saves a lot of money...and time*

Patented.

Besides the great saving in erection costs, you have a stronger, better pen in every way. With ordinary pens, where each and every spindle must be set in the concrete, it is a difficult task to assemble the pen, then true up all of the posts and spindles, before the concrete is poured. When fastened and braced in place in this way, it is very bothersome getting around to put in the concrete floor and curb.

The corner posts, gate and intermediate posts extend down clear through the curb into the concrete floor. These posts are spaced no farther apart than 5 feet for bull pens, and 9 feet for cow pens. Panels are bolted together by 7/16 in. special bolts, not over 4 spindles apart.

Jamesway pens, because of the heavy material of which they are made, because of their design, make a permanent improvement in any barn. They are attractive in appearance. They are safe. Plus all of this, they are easy to install.

Why not take the money, or part of the money now lost in your barn each year, with nothing permanent to show for it, and get the equipment your barn needs? So long as you are paying out the money anyway, why not have Jamesway equipment to show for it?

It is not a question as to whether you can afford to fix up your barn the Jamesway—but it is a question of how long you can afford not to.



Phantom and detailed views of Jamesway Tubular Anchors, Corner Posts and Panels. The easy way to erect pens.



# For Comfort, Health, Growth and Care



R. P. Benson, Princeton, New Jersey.



Corner Calf and Bull Pen.



Corner Bull Pen in small barn.



Calf, Cow, and Bull Pen, Templeton Farm, Evansville, Wis.



Elm Hill Farm, Brookfield, Massachusetts.



Outdoor Paddock, Hood Farm, Beverly, Massachusetts.

Jamesway Sanitary Steel Pens have been developed to aid in making the dairy barn the biggest money maker possible and a more convenient place to work.



# Use Jamesway Sanitary All Steel Pens



Better calves mean a better herd.

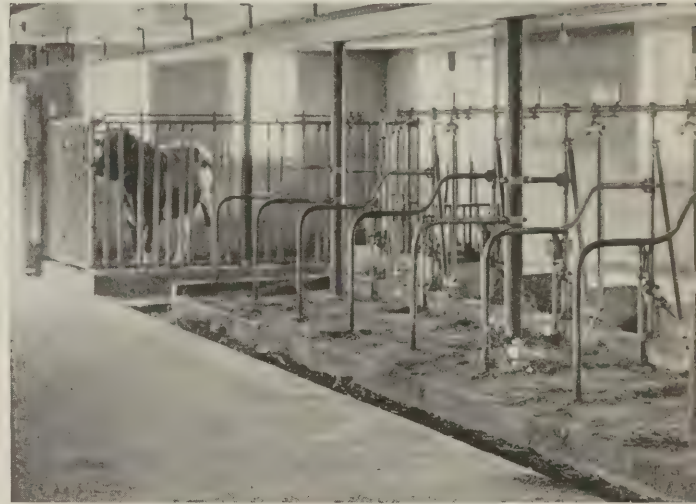


Handy Calf and Bull Pen.



Cow Pens, Smith Farm, Corning, New York.

Jamesway Pens are built with the same care and same good materials as Jamesway Stalls. They may now be had in the new galvanized finish.



L. E. Gordon, Nelsonville, Wisconsin, Bull Pen and Stalls.



Calf Pens at Dunwalker Farm, Far Hills, New Jersey.



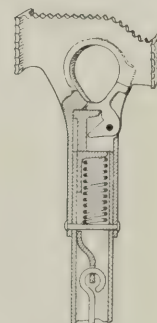
Pen Barn, Elm Hill Farm, Brookfield, Massachusetts.

## BULL STAFF — Safety First



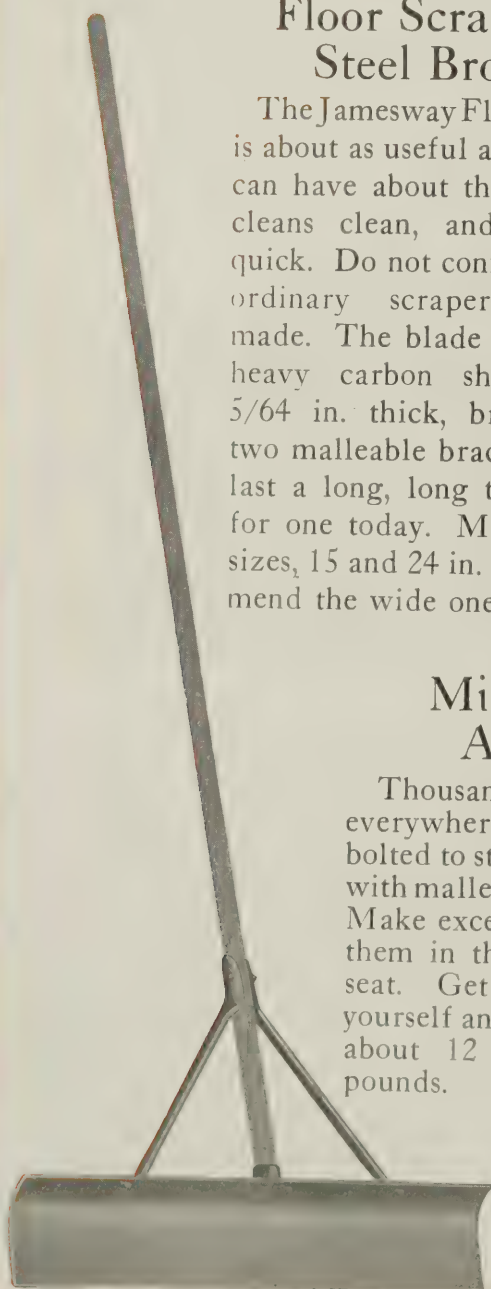
Patented.

A Jamesway Safety First Bull Staff is the cheapest insurance you ever owned. Made to stand up under the most severe strain. All steel and malleable. Lock hook operated from handle. The staff is 5 feet long, weighs  $7\frac{1}{4}$  pounds. Made of 1-5/16 in. O. D. steel tubing. Handle and lock of malleable. Get a Jamesway Staff and be safe.



## Floor Scraper — Steel Broom

The Jamesway Floor Scraper is about as useful a tool as you can have about the place. It cleans clean, and it cleans quick. Do not confuse it with ordinary scrapers cheaply made. The blade is made of heavy carbon shovel steel, 5/64 in. thick, braced with two malleable braces. It will last a long, long time. Send for one today. Made in two sizes, 15 and 24 in. We recommend the wide one for barns.



## Name Plates



An attractive and practical way to display names and breeding data. May be attached to our stalls and pens. Supplied with slate board which may be written on like slate or plain cardboard fillers which may be printed. Either enamel or galvanized finish.

## Milk Stool — All Metal

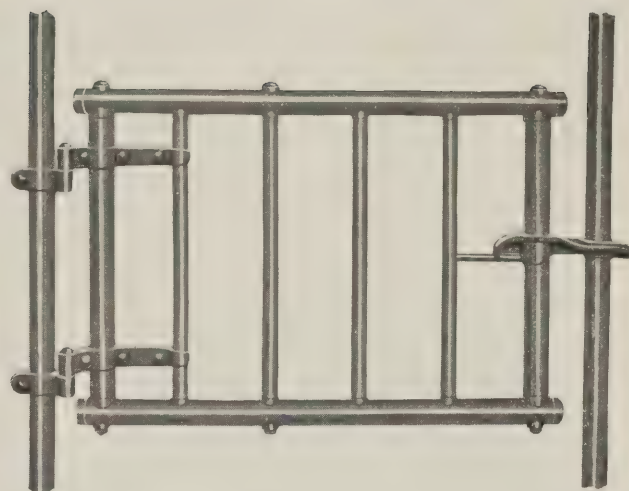
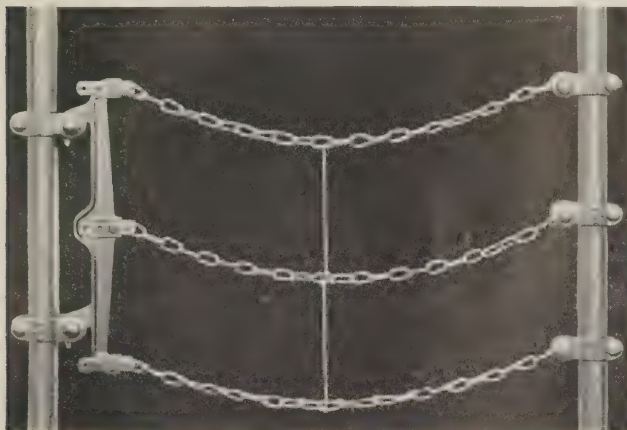
Thousands in use. Popular everywhere. Pressed steel top, bolted to steel legs, and braced with malleable spreader brace. Make excellent presents. Use them in the car for an extra seat. Get a Jamesway for yourself and be happy. Height about 12 inches, weight 5 pounds.





## STEEL ALLEY GATE

Prevents animals from going places they are not wanted. Offset hinges and single gravity latch. Made for any size opening up to 8 feet. Frame of 1½ in. O. D. pipe. When ordering be sure and give exact size of opening to be filled.



### Chain Alley Gate

Made of chain with malleable spreader bar and fittings. In ordering specify to what chain and latch fittings are to clamp and exact width of openings. Adjusting device allows for adjusting chain 2 in. Also made with center latch for wide openings.

## Water-Seal Floor Drain

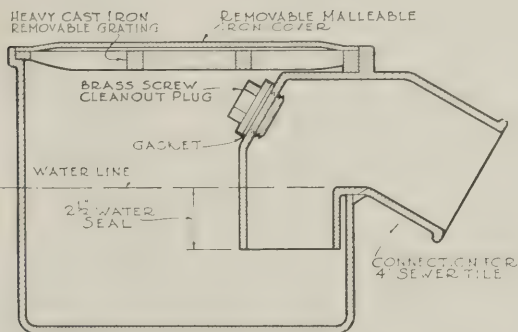
An extra large drain for use where large amounts of liquid are to be removed. A 2½ in. water-seal drain prevents sewer gas from backing up. Has double top, lower is grilled to permit water to drain through; top cover solid, used when desired. Size 8 in. wide, 9½ in. deep, and 17 in. long. Grill 8 x 12 in.



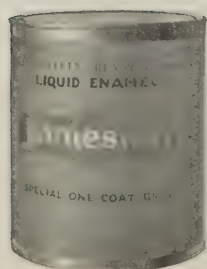
### Open Drain with Cap and Screen

For convenience in draining the manger and gutters when barn is being flushed or washed out. These drains should not be used for the removal of liquid manure. For this purpose the larger capacity, Jamesway water-seal drain, is recommended.

Made of cast iron, with cap and screen, which may be readily removed for cleaning. Connects to a 4-in. drain tile.



## Jamesway Enamel



Play fair with your equipment. It is built to stand up under hard use, but not abuse. Give it a coat of paint every few years. Jamesway Gray Enamel makes it like new, and adds many years to its life. Furnished in pints, quarts, half-gallon and gallon cans.

The Dairymen's  
*Biggest* Money Maker





# How to *Increase* your per cow profit \$20.00 to \$40.00 per year

"I got 15 more quarts the first day, and within a week we were getting 60 quarts more per day from the 30 cows."

"We are getting about a can of milk more a day now from the same amount of feed."

"According to our records the milk yield increased about four pounds per cow per day."

The above are quotations taken from letters of dairymen written after they had installed Jamesway Water Cups. We have many more from dairymen who have benefited through the use of Jamesway Cups.

These brother dairymen are saying to those dairymen who do not have water cups, "You can increase your per cow profit \$20.00 to \$40.00 a year by putting in water cups."

They are saying to you,—"You can get more milk from the same feed."

To you who do not have cups, they point out. "You can save a lot of time by putting cups in your barn."

They are telling you,—"Your cows will look better and feel better if they have water before them at all times."

In short these men are saying they,—"Cannot understand how you can think of getting along without Water Cups."

"The output of milk from my herd increased from 56 gallons before I had cups to 64 gallons after I put them in."

"My tenant says,—'the cups increased the yield 30 pounds a day from 10 cows'."

"After installing cups the daily milk flow increased nearly four pounds per cow."

In the face of this testimony of your fellow dairymen, how can you delay putting in Water

Cups? Don't these extra dollars look good to you?

Can you afford to pass up the dead-sure certainty of increasing the milk yield of your cows two pounds per cow a day on the average. Two pounds per cow per day for the 200 days the cows are in the barn totals 400 pounds of milk—extra. Multiply that by the number of cows you own and see how much extra income you will receive. Can you afford to throw that money away? Don't put off any longer—install Jamesway Water Cups right now.



# 17 Jamesway Features

## Make this the best cup value

1. Removable—Dairymen appreciate a bowl that can be removed quickly without shutting off the water. A few turns on the toggle; lift up, and off. Put back same way. A patented feature.
2. Hot Galvanized—If ever any equipment should be galvanized, it is the water bowl. All Jamesway Bowls and fittings are Hot Galvanized.
3. Top or Bottom Feed—Instantly recognized as a feature of greatest importance.
4. Lock-Tite Fasteners—Cows can't knock off Jamesway Cups. They're locked tight—can't work loose—can't rattle.
5. Valve Holder—Can't twist or turn. Made with eight sides and it can't slip.
6. Groove Holder—Notice how the bowl drops into grooves which hold cup rigidly in place.
7. Toggle Lock—Bowl cannot be loosened by cow, or by accident. Toggle prevents until you lift and turn.
8. High Paddle—Paddle sets high off bottom of bowl so that roughage will not prevent cow from drinking.
9. Big Bowl—Bowl is so big and deep animal has no trouble getting enough water. 10½ in. long, 9 in. wide, 5 in. deep.
10. Saw Tooth Paddle—See that saw tooth paddle? It discourages playful cows from lapping water and getting floors wet.
11. Hinged Paddle—May be lifted to clean out trash. Very handy in keeping cups free of trash. Together with our patented removable feature make a very practical cup.
12. Dirt Strainer—Keeps sand and grit from sifting through and cutting valves.
13. Big Inlet—Lets water flow in smoothly without splashing all over everything.
14. Brass Valve Spring—Extra large. Guides oversize valve stem in a smooth red brass casing. You can't get along without this quality and expect valves to give no trouble. This quality valve is found only in Jamesway Cups.
15. Standard Fuller Ball Valve—Every plumber carries them in stock. You can get them quickly when needed.
16. Accessible—All parts accessible, quick and easy to get at.
17. Heavy and Rugged—Biggest and heaviest cow bowl made. Weighs nearly 18 pounds, of gray iron, cast in our own foundries. Finished by workmen who take pride in doing good work. New Hot-Dip Galvanized finish only.



*Cup No. 347*  
with bottom  
feed hook up.

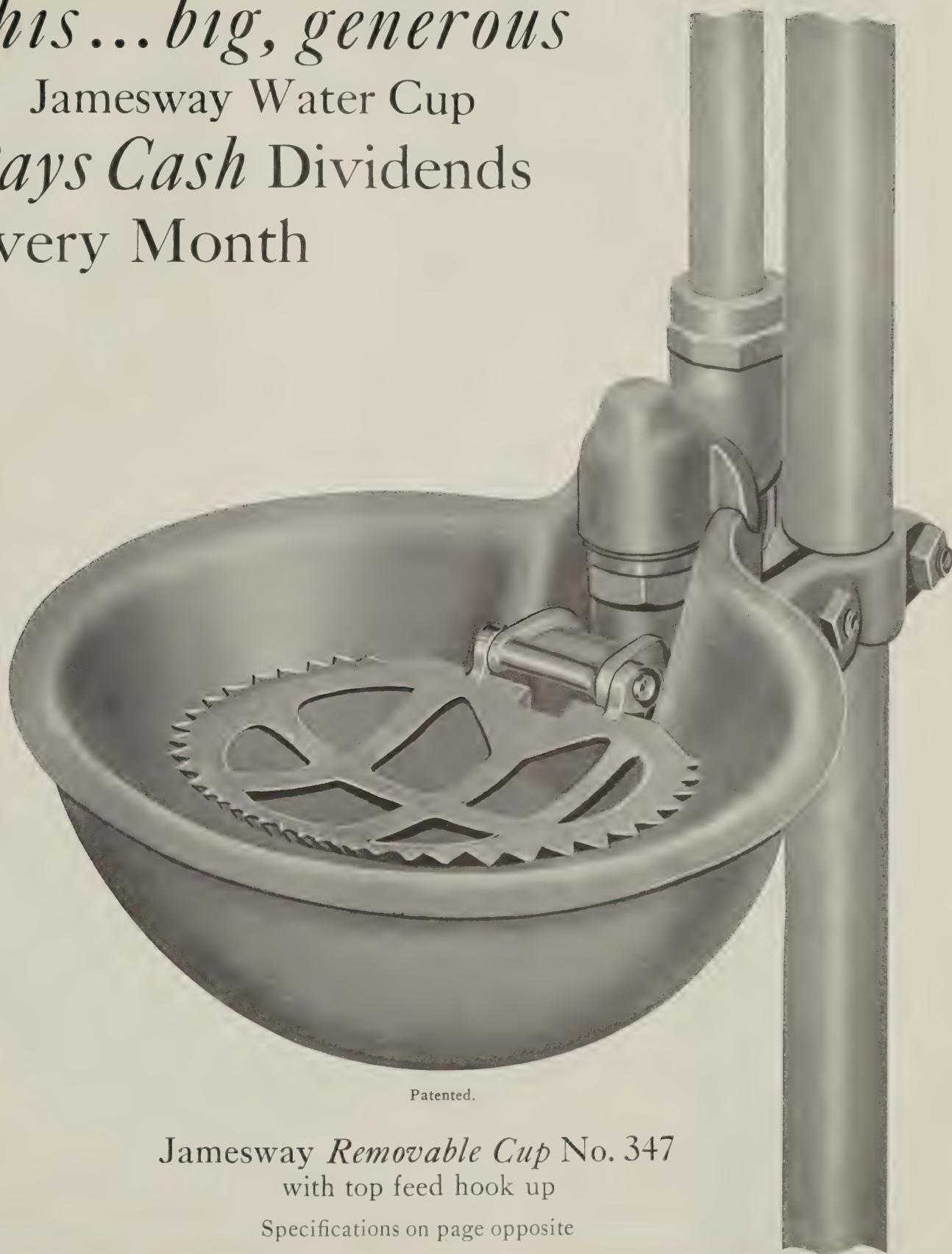
Patented.



*This... big, generous*

Jamesway Water Cup

*Pays Cash* Dividends  
Every Month



Patented.

Jamesway *Removable Cup* No. 347  
with top feed hook up

Specifications on page opposite

# Jamesway Rigid Cup No. CD200

## A very *practical* cup...*ruggedly* built

For those who do not care for the removable feature we offer this dependable rigid Water Cup. Bowl of Jamesway grey cast iron. Furnished in either grey enamel finish or our new Hot Dip Galvanized — a lasting, durable finish well worth double its small extra cost.

Automatic valve works with any supply system, either gravity or pressure. Valve of

brass cannot corrode or rust. Paddle opens valve when depressed. A brass spring closes valve. Paddle may be raised to clean out trash.

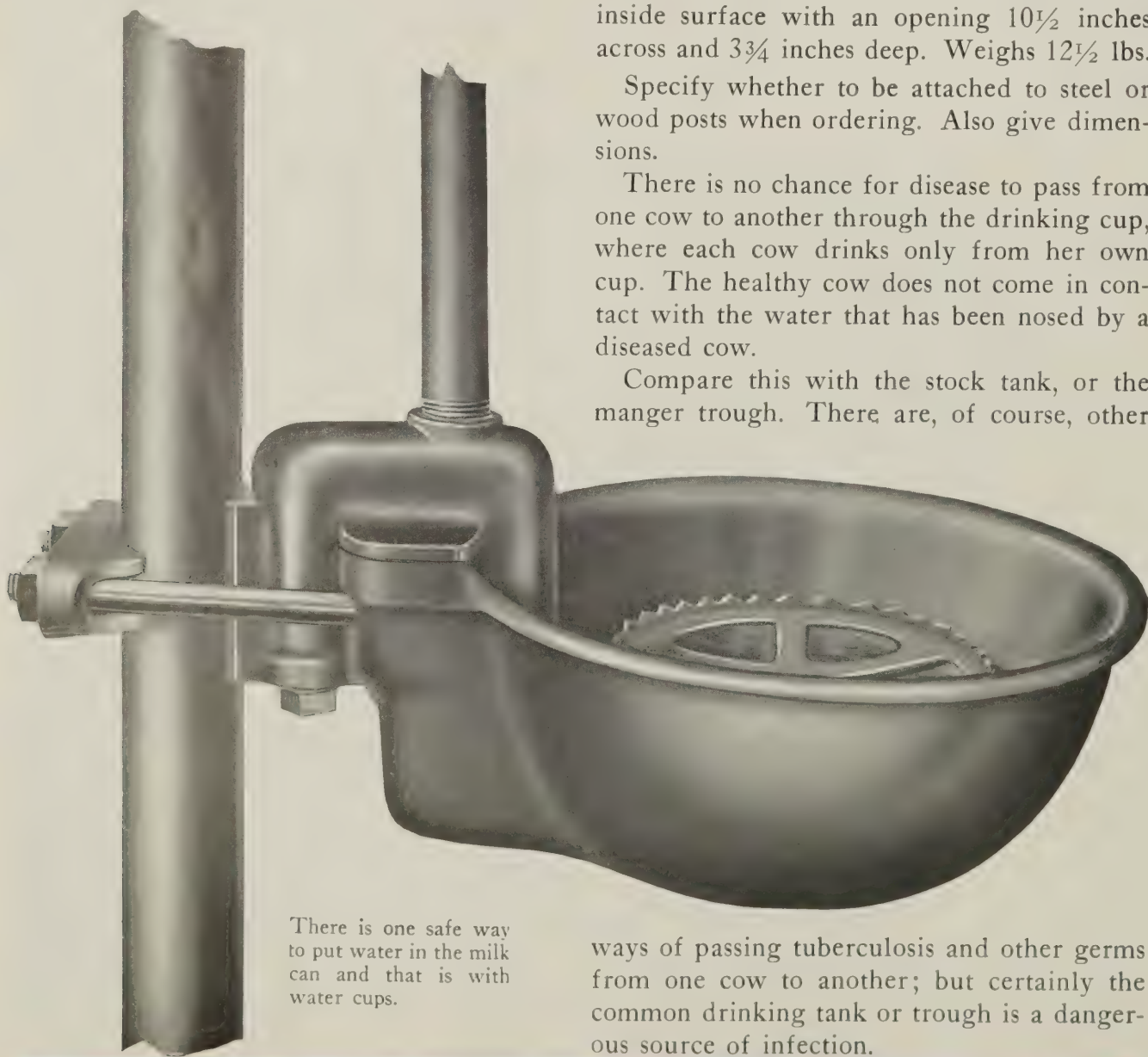
A special feature of this bowl is that it may be fed from either above or below. The bowl fitting is tapped for either underfeed or overfeed system.

Made without seams, notches or corners, this bowl with its sloping sides has a smooth inside surface with an opening  $10\frac{1}{2}$  inches across and  $3\frac{3}{4}$  inches deep. Weighs  $12\frac{1}{2}$  lbs.

Specify whether to be attached to steel or wood posts when ordering. Also give dimensions.

There is no chance for disease to pass from one cow to another through the drinking cup, where each cow drinks only from her own cup. The healthy cow does not come in contact with the water that has been nosed by a diseased cow.

Compare this with the stock tank, or the manger trough. There are, of course, other



There is one safe way to put water in the milk can and that is with water cups.

ways of passing tuberculosis and other germs from one cow to another; but certainly the common drinking tank or trough is a dangerous source of infection.



# Jamesway Dirt Strainers

By all means place a Jamesway Strainer in the pipe line between your water supply and the first cup in your water system. Without it, a bit of sand, metal chips, or other foreign matter may get into the pipe line, lodge under a valve, causing a cup to leak.

Jamesway valves are ground to an accurate fit, and are properly seated. But no valve can work properly should any foreign substances get into the water. A Jamesway strainer is a very important part of your watering system.



## *Salt Your Cows this New Way*

Cows go off feed more as a result of a lack of salt in their ration than probably any other cause.

Oftentimes for a lack of salt, cows do not drink enough water. Milk being 87% water, milk flow is restrained.

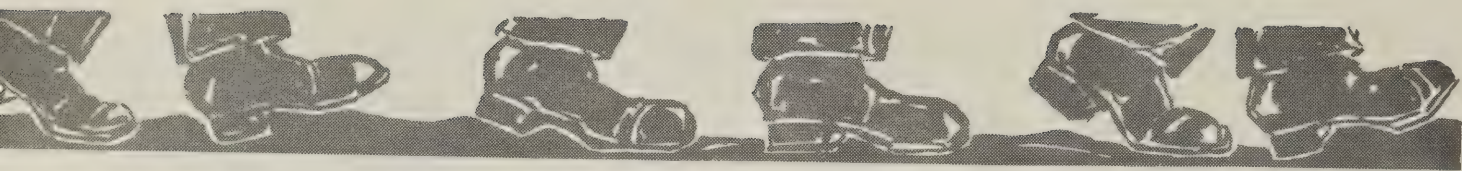
Jamesway Salt Cups provide salt for the cow when she wants it.

"Salt cups are a good investment," says Ralph Weber, "I can see an increase in the milk flow since using these cups."

Bowl is of glazed earthenware with a 1-in. flange on inside of opening to prevent spillage. Bowl is 6 in. in diameter, opening 4 in. Depth of bowl 4 in. All metal parts Jamesway Hot-Dip Galvanized. Can be attached to either wood or steel stalls.

Jamesway Salt Cup





# Do You Walk 99 Miles a Month?

## Better *watch your steps* and *your back too*

**Farmers Walk 99  
Miles Each Month**  
Columbus, Ohio — Pedometers  
strapped to the ankles of several  
farmers in Ohio show that they walk  
an average of 99 miles a month, in  
feeding and caring for their live-  
stock. This is being used as an argu-  
ment for proper arrangement of  
buildings to make farm life easier.

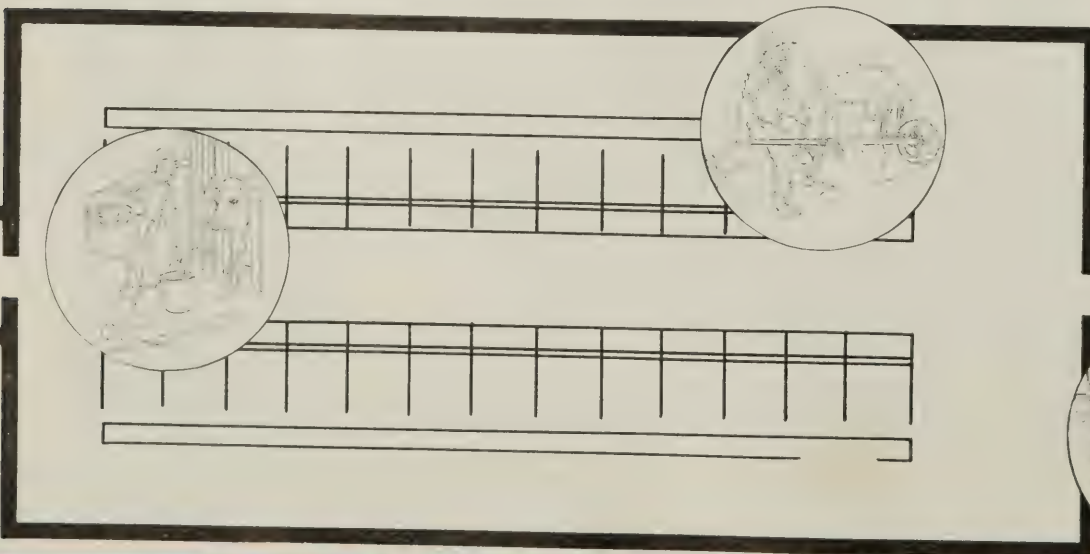
The University  
of Ohio recently found  
farmers walked an average of  
99 miles a month to feed and care for  
their live stock on a number of farms.

One man walked 170 miles in a month doing  
his chores, while another walked but 33 miles.  
On two farms, with the same kind and num-  
bers of live stock, there was a difference of 86  
miles of steps taken to do the chores.

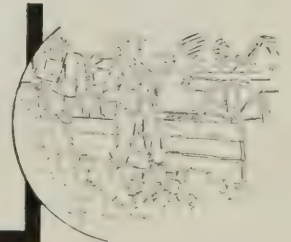
On many farms there is a lot of unnecessary  
walking and loss of time in cleaning the  
stables. The old methods of cleaning out the  
manure causes needless miles of walking every  
day on many farms.

The next time you do your chores watch to  
see about how far you have to walk. You will  
no doubt notice that a lot of this walking and  
time might be saved. Your old barn can be  
made more convenient; or, if you plan for a  
new one, it is important to plan for the saving  
of needless walking and lost time before it is  
built.

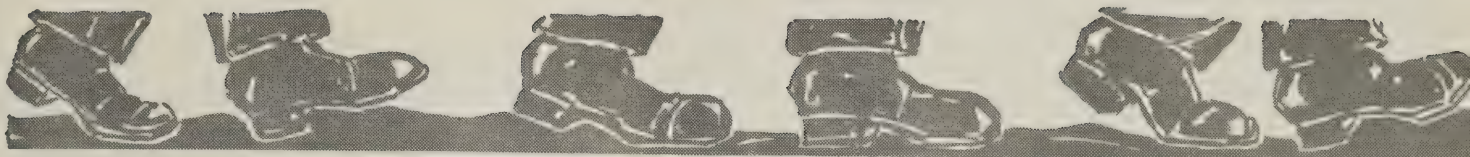
On many farms the right arrangement of  
buildings and labor-saving equipment has  
saved from 30 to 100 miles of extra walking a  
month. You will be under no obligation by  
asking the Jamesway man to step in. Use the  
post card saying you would like to talk with  
him. Don't keep on walking 99 unnecessary  
miles a month.



The back-breaking,  
money-losing way.







## There's an *easier way* Puts *extra dollars* in your pockets too

Progressive farmers are using machines to do work that can be done more economically in this way than by hand. No place does this seem to be possible to quite the extent it is in the stable. That is the reason so many are using Jamesway Litter and Milk Can carriers and Feed Trucks for shortening chore time.

Mr. Albert Funk, Waynesboro, Pennsylvania, says: "It is a blessing for the man who cleans stables every day. I purchased a Jamesway carrier to save time and labor, and it does that. In fact any boy can handle it. Under no circumstances would I go back to the old eyesore way. My Jamesway Carrier is used 365 days in the year. It has paid for itself and it is the best labor-saving machinery on the farm. It saves a good many hours during the busy season."

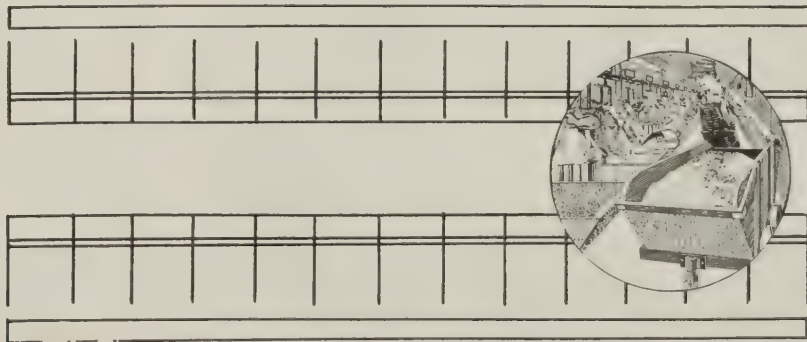
Cost records show the labor item is most important on nearly all farms. The more they can be cut down, the more the profit. Jamesway carriers, and other equipment, help to do

that. Wheeling out manure; lugging baskets of feed, both are heavy, hard work; trudging back and forth to the milk house; letting the cows in and out to water. They all take a lot of time and hard work.

Men who have installed Jamesway carriers are proud of them. Such a machine in the barn is an indication that the owner is a progressive farmer, and doing things in an up-to-date manner. Best of all, such carriers last for many years. The daily saving of time will quickly pay for a Jamesway Litter Carrier. It is always on the job, Sundays and all.

"Now I can feed the entire herd with the Feed Truck and save 55 rods of travel at each feeding and do the work in about one-fourth the time," says Mr. M. F. Wood of West Concord, Minnesota. The saving of 55 rods a day equals 1980 feet or about one-third of a mile a day—10 miles a month—120 miles a year. Figure it out for your barn.

The time-saving,  
money-making way.





**For Hire:** Steady farm hand @ 4¢ per day. No lay offs—no board—no lodging—no back talk. Satisfactory work guaranteed. Write Big Boy, care of Jamesway.



With machine help so reasonable, why not take a lay off—or isn't your time worth more? Of course it is. Your time is worth far more, and there are more important things to do than escorting a wheelbarrow and pitching manure an hour or two a day.

Perhaps the difference between the farmer who walked 99 miles a month and the one who walked 33 miles a month was this, one used his head, while the other used his feet.

The profitable farm is the well-equipped farm. Nowhere is time considered of less value than on the farm. At least the number of useless steps farmers generally take would indicate that conclusion to be the correct one.

Nowhere is time and labor-saving equipment more necessary than on the farm. Especially is this true of equipment that also increases production or lowers feed costs, or both.

Labor and time-saving equipment, or the lack of it, makes for profit or loss on the farm more than any other place. Time that should be devoted to more important duties is absolutely wasted if it is used in doing barn chores that can be cut in two through the use of equipment.

The only complaint ever heard from a user of Jamesway Carriers or Feed Trucks was, "I am sorry I did not put them in sooner." Will you be one to make this admission?



# *Let Jamesway Help You*

## With the chores twice a day... every day 365 days a year



Jamesway Equipment that was first put into use 20 and more years ago is still helping out with the daily round of chores twice a day, every day, 365 days a year. Very few equipments used about the farm see more use than Jamesway Equipment.

"My Litter Carrier is just as good today as the day I bought it in 1914," (21 years), says F. Niederstucke of Wauzeka, Wis.

"I am still using the same Carrier I bought in 1912 (23 years) and it looks good for more service," writes H. R. Juengel of Rochester, Michigan.

"I am still using the Feed Truck bought in 1914 (21 years) and have since purchased another which I have used about 10 years," writes C. R. Plumb, of North Bangor, New York.

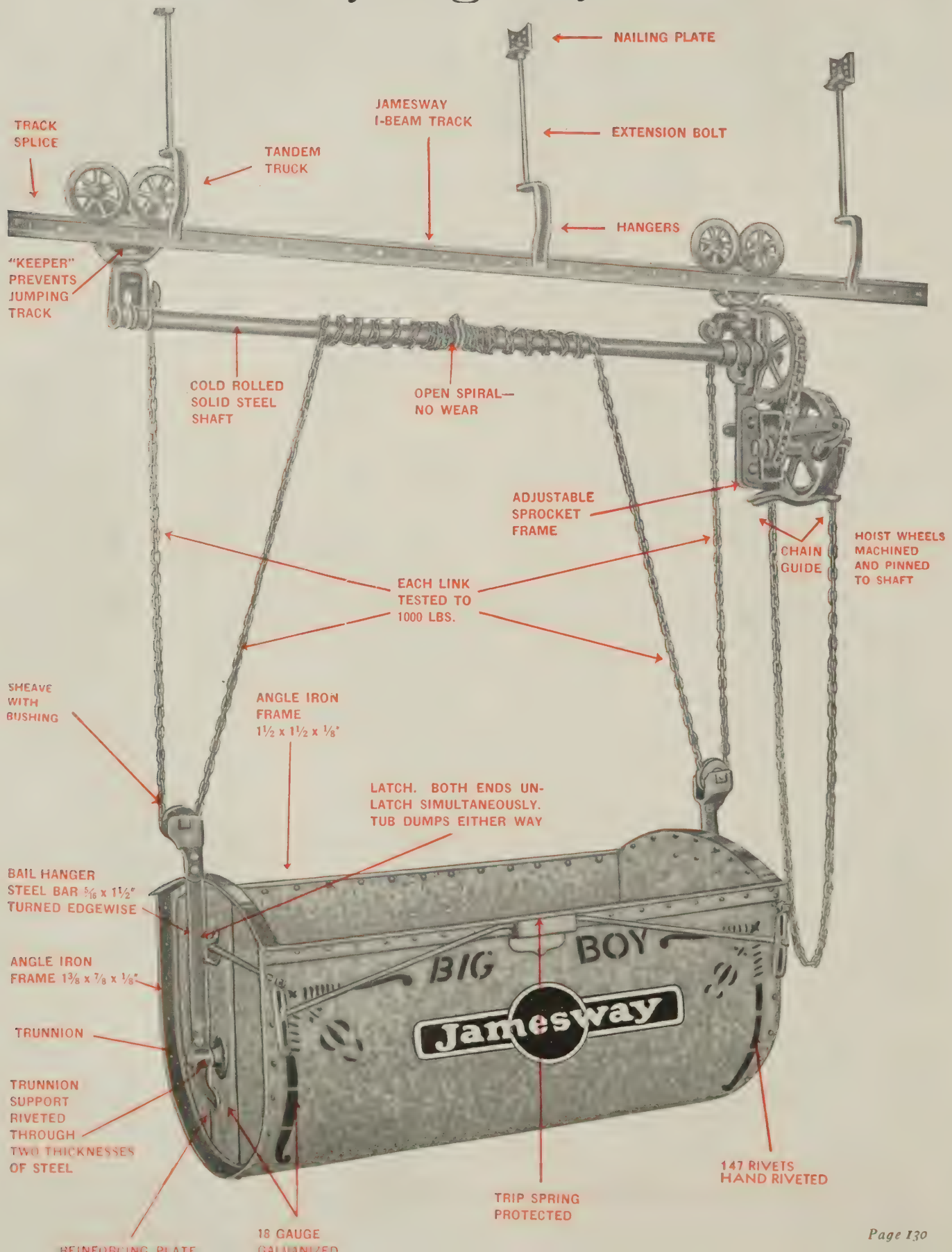
We have letters from over 100 veteran users of Jamesway Litter Carriers. Men who have used these carriers twenty and twenty-five years. They all tell the same story—"Still using the Jamesway Carrier" that they bought of us years before.

"My carrier has stood the work all right," writes A. A. Glenz, who bought his carrier in 1914, twenty-one years ago. Then he reminds us, "the carrier is the thing in the winter."

Yes, Jamesway Equipment is handy when it is cold. It is also handy when it is stormy; when you are busy plowing, or seeding, mowing, cultivating, harvesting, threshing, cutting corn, silo filling, butchering, or marketing. Carriers and Feed Trucks and Water Cups come in handy at any and all times and especially when you are rushed, which is most of the time. You can have the help of all of them at about five cents a day. They will return to you ten times that sum and take the drudgery out of barn chores.



# Jamesway Big Boy Carrier





# Built for years of every day use... *These specifications tell why*

**Long Life Tub:** Made of 18-gauge galvanized sheet steel. 45 in. long, 24 in. wide, 24 in. deep, holds about 10 bushels. Tub is built on a frame of  $1\frac{3}{8}$  in. and  $1\frac{1}{2}$  in. angle iron. 147 non-rusting rivets used to securely fasten tub to frame. Ends are reinforced with trunion plates 4 in. wide weighing  $4\frac{1}{2}$  lbs. each.

**Tub Hangers:** This tub has no horizontal bail to interfere when tub is being loaded, a desirable feature. Tub hangers or vertical end bails are flat steel bars  $\frac{5}{16}$  in. thick x  $1\frac{1}{2}$  in. wide with malleable fittings. Tub hangers set edgewise to tub. Set this way, they will not bend and bind. Tub hangers lock tight to shaft when tub is raised, giving rigidity.

**Trips:** Tub trips from either end and dumps either way. Latches protected against clogging. Tubs that dump only one way are a nuisance.

**Hoist:** Geared to make possible the lifting of tub filled to capacity in shortest time without undue effort. Chain and sprocket type used. Chain being about same size as used on most grain binders.

**Brake and Clutch:** Controlled by one lever. One hand operation. Positive at all times. Quick pull releases clutch and sets brake. Pressure controls down speed. Strong pull stops descent. Release, and clutch holds. Takes hold quickly and firmly without jerking. There are no dog teeth or ratchets to break or get out of order. All friction clutch and break means long life.

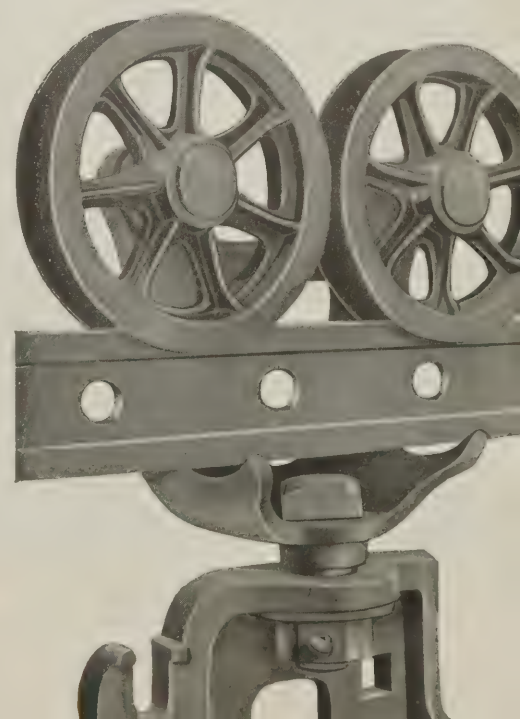
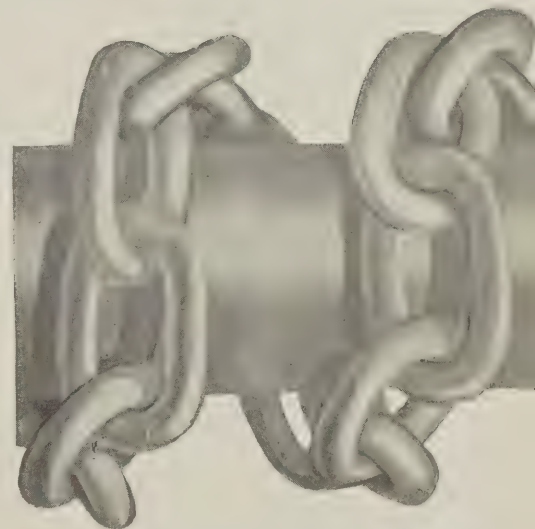
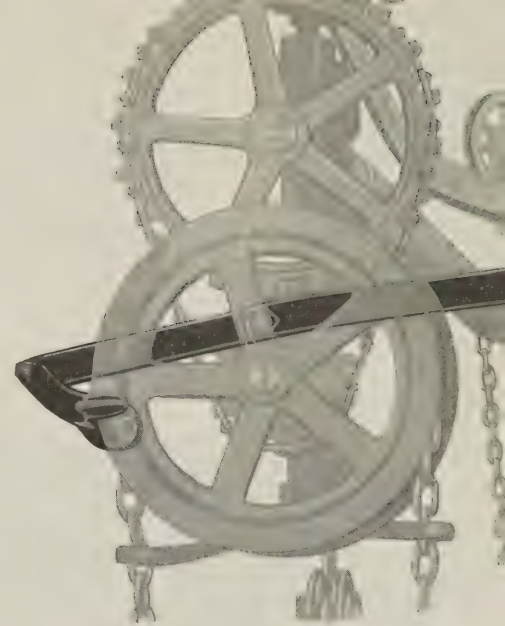
**Solid Steel Shaft:** May we repeat, a solid steel shaft  $1\frac{1}{4}$  in. in diameter fits accurately. No chance for play or wear. Actual size shown.

**Big Lifting Chain:** Ours is extra long. Notice how it winds in spiral form on the shaft. Does not wind up on itself, causing it to rub and wear. Six-point suspension distributes load from end to end, gives double purchase, and easier to raise.

**High Lift Feature:** Raises higher and gives more clearance for passing over pens, wagons, spreaders, etc. Clearance necessary from top of tracker wheels to bottom of tub only 44 in. When lowered, full length of chain distance is 8 ft. 8 in. Longer chains can be furnished when required.

**Long Wheel Base:** Men who have used a flat track carrier with tracker wheels placed side by side know how such a carrier jerks along the track; and how hard it is to push. Jamesway has overcome this jerking motion by use of a long wheel base carrier with tracker wheels placed one ahead of the other. Jamesway Carriers can't do other than run free and smooth. Tracker wheel axle lathe cut from steel filled to a machined journal. An oil pocket distributes oil evenly.

**Weight:** Weight always tells the story of materials used. Pictures and words can mislead. The Big Boy weighs 205 pounds with hoist.



# Barn to field...*handle once* with Jamesway Swinging Crane

A Jamesway Swinging Crane makes it possible to clean the manure out of the barn at a big saving in time and effort. Load it directly into the carrier, dump it in the spreader, and take it to the field. Only one handling. How much easier and quicker this is than the old way, is vouched for by thousands of users.

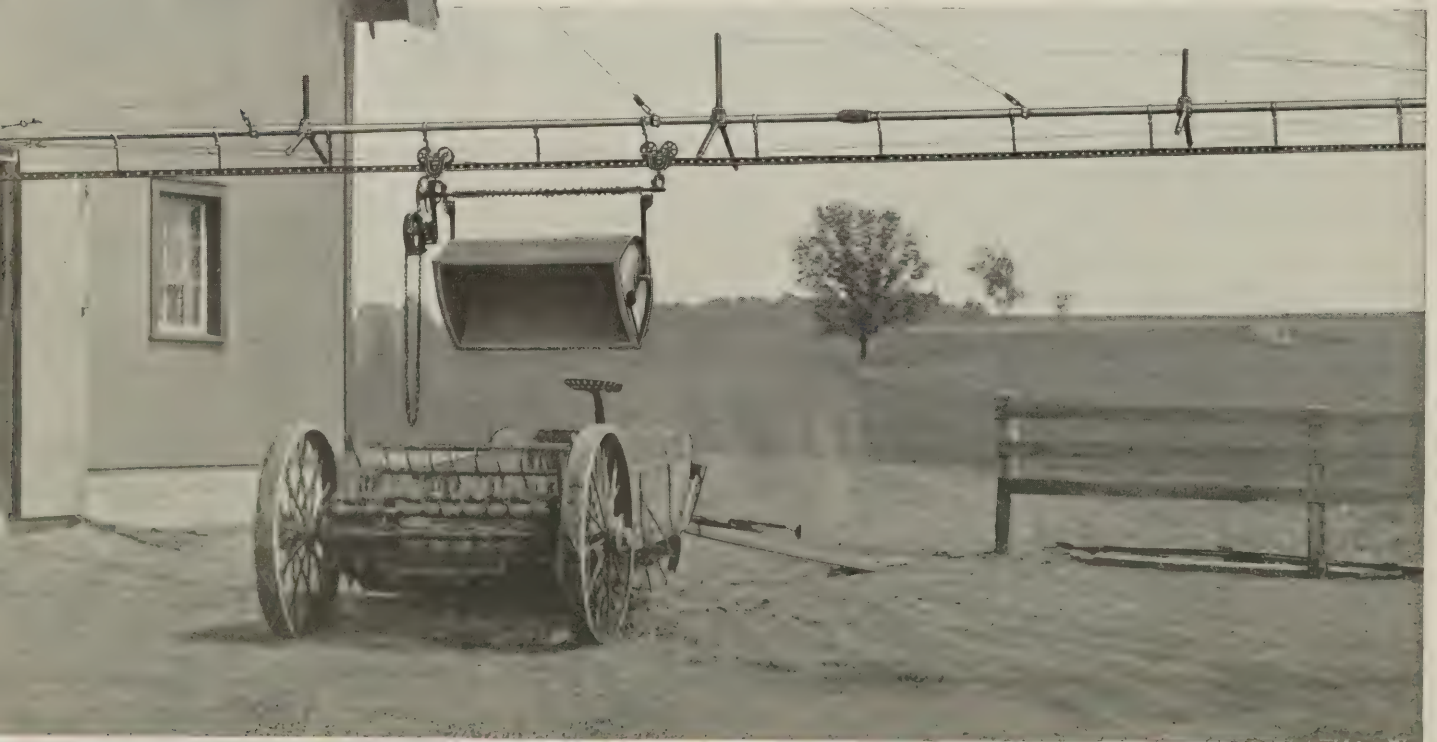
A Swinging Crane requires no obstructions in the yard. When not in use it can be swung up against the side of the barn entirely out of the way.

Jamesway has used unusual care in designing a strong, rugged crane capable of safely carrying a tub full of wet manure at the end of a forty-foot span.

Made of galvanized pipe  $2\frac{3}{8}$  in. O. D. and assembled with Jamesway malleable fittings. Three-way truss braces placed 120 degrees to each other are made from  $1\frac{5}{8}$  in. O. D. pipe. These are connected by three side cables,  $\frac{5}{16}$  in. in diameter kept snug with  $\frac{1}{2}$  in. turnbuckles.

Hinge is of malleable with a 1 in. steel hinge bolt. Hook bolt is 1 in. thick and with iron washers to prevent guy cables from unhooking.

A removable track section is furnished with each crane. This is located directly under the crane hinge at the door opening. Removable track section is built up of laminated sections which makes it flexible so the carrier will operate over the track when crane is turned to right or left. It can be removed and replaced easily.





# *Make one trip* instead of sixteen

## Use the Jamesway Feed Truck

### 16 and 25 Bushel Capacity

The fortunate man who owns a Jamesway 16 bushel Feed Truck makes one trip down the feed alley to 16 trips made by the man with the feed basket. The man with a Jamesway Feed Truck saves feed, does a cleaner job, and does it quicker than the man who lugs the basket making 16 round trips back and forth. "I can now feed—save 55 rods of traveling and do the work in one-fourth the time," says Mr. F. Woods of West Concord, Minn., who has a Jamesway Feed Truck.

The box of the 16 bushel truck is made of clear, selected, kiln-dried lumber, strongly re-enforced by side cleats. Bottom of 18-gauge copper bearing galvanized sheet steel. Length 73 in., width 26 in., depth 24 in. Slanting ends to make shoveling easy.

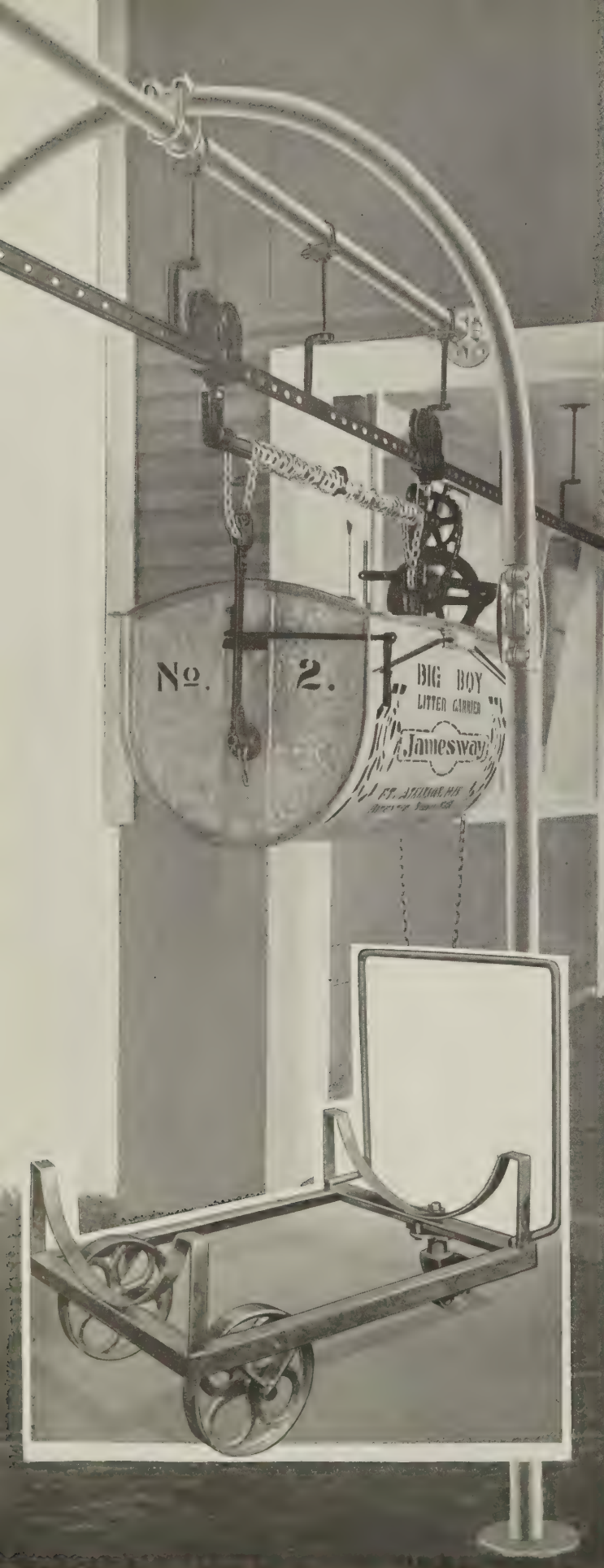
Main wheels 20 in. in diameter, 2 in. face. End wheels, anti-friction swivel, 6 in. diameter, 2 in. face. Truck turns in 75 in. space. Weight of box balanced to insure easy running. Axle made of 1 in. solid rolled steel. Extreme axle length 35 in. Bearings are carefully machined to give accurate fit with smooth surface, reducing friction and giving easier operation. Approximate weight 215 pounds.

## 25 Bushel Trucks

The 25 bushel feed truck is the same as the 16, with the exception of the following: Width 31 in., depth 30 in., axle length 39½ in., turns in 90 in. space, weight 245 pounds. Both the 16 and 25 bushel Feed Trucks can be had to operate on our I-Beam Track. Both may be had with drop ends and separate feed compartments. We recommend the 16 bushel truck shown.



Feeding for profit means more than good feed to good cows. It means also economical use of time, the most expensive thing on the farm.



## Outside Arch Supports

Where it is desirable to run the Carrier beyond the limits of a Swinging Crane, it can be done best by using Jamesway Steel Arch Supports. This is the most satisfactory arrangement we offer and its use recommended whenever possible. You will find such an installation attractive, permanent, and free from frequent repairs.

Built from  $2\frac{3}{8}$  in. O. D. pipe, galvanized, with malleable fittings and  $\frac{1}{2}$  in. U-bolts on top and  $\frac{7}{16}$  in. bolts in coupling clamps. The uprights in each pair of posts are five feet apart and set deep in concrete. Horizontal track supporting rail also  $2\frac{3}{8}$  in. O. D. using malleable couplings.



## Tub Truck

Our Tub Trucks are for use in stables having low ceilings where the installation of overhead carrier track would be impractical. It is also used in Certified Dairy Barns where health department regulations do not permit overhead carrier track.

By means of the Tub Truck and a Litter Carrier fitted with hook sheaves shown at right, Carrier Tub may be loaded onto Tub Truck and wheeled about the stable. When loaded, it is again hooked to the overhead system at the door and the load delivered where desired.

Tub Truck is all steel arc welded and hot dip galvanized, making a sturdy, rugged job that will stand all kinds of hard use and abuse. Truck wheels 12 inch diameter, with 2 inch face and machined bearings operating on a 1 inch cold rolled steel axel. Caster, 6 inch diameter, full swivel. Overall width of truck, 27 inches.





# *Less mileage and no effort*

## Jamesway Milk Can Carrier

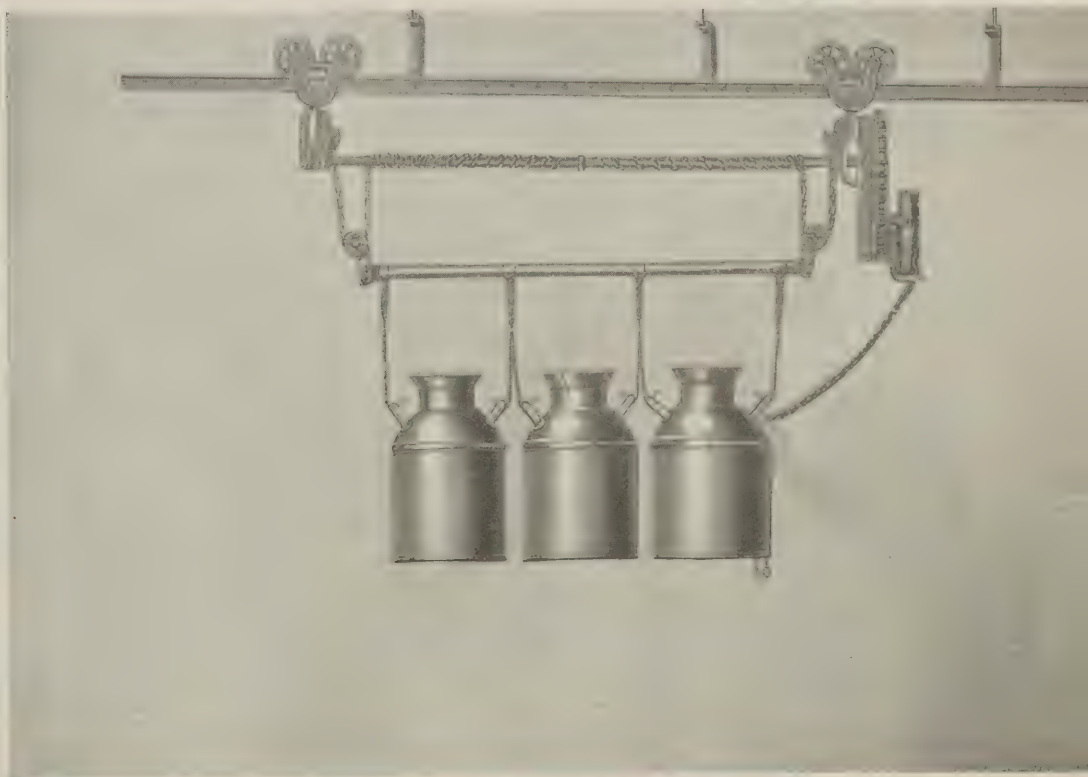
One of the handiest pieces of equipment we have ever made for the man whose milk house is located some distance from the barn. Where our Litter Carrier Track is already installed, only sufficient additional track is needed to get to the milk house. Lower it to floor, hook into cans and away you go with a big load and no effort. Operates much the same as our Big Boy Carrier. The Milk Can Carrier is a distinct improvement over the platform truck or carrier from which cans not only slip off, but which makes necessary lifting cans on and off.

A Jamesway Milk Can Carrier may be lowered to the floor and the hooks quickly released. The friction clutch makes it possible to lower and hold cans within one inch of the floor preventing them from coming in contact with litter and keeping cans clean.

If you want to save miles of walking and the heavy work of lifting milk cans, put in a Jamesway Milk Can Carrier and free yourself from this drudgery forever.

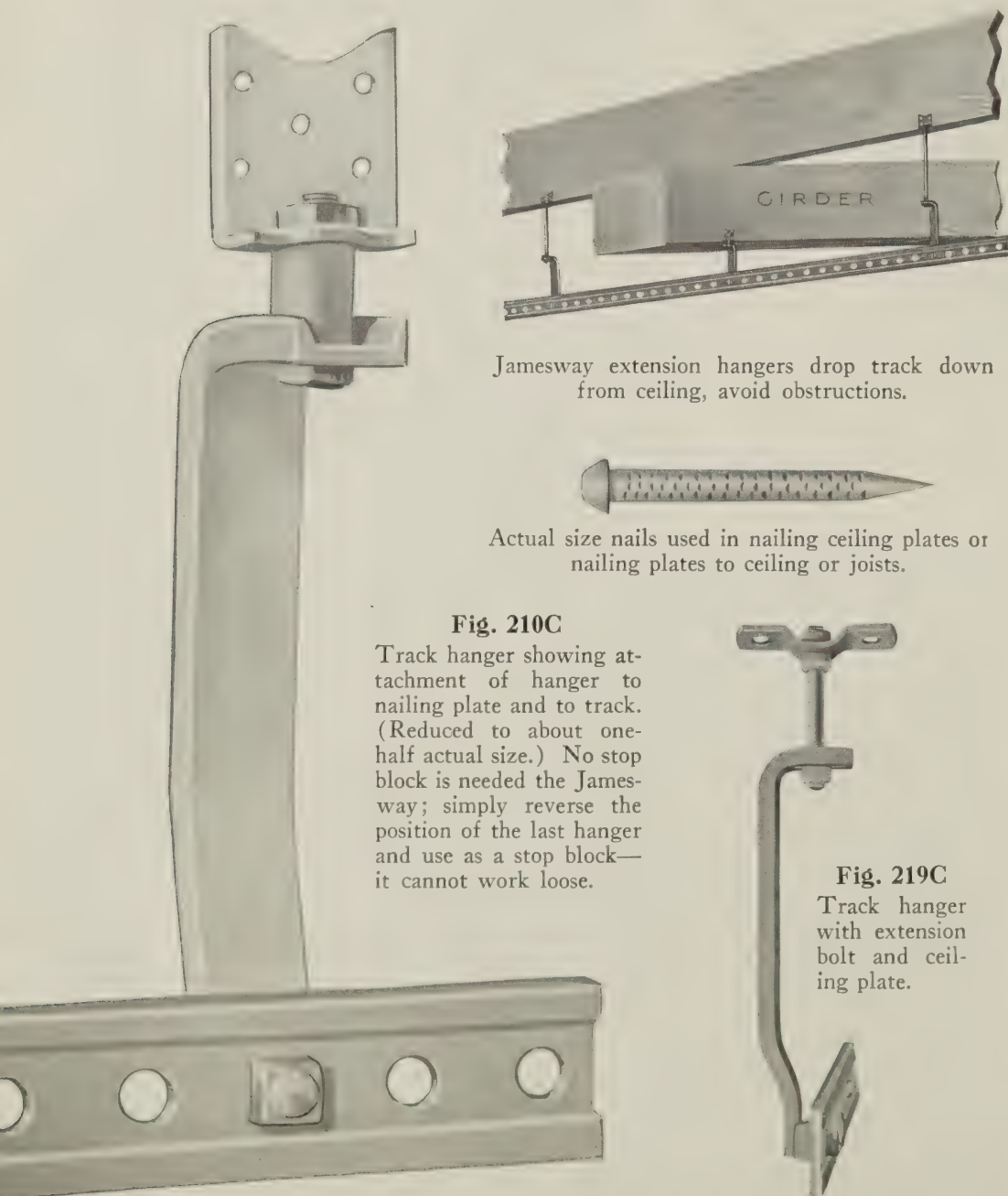


The common complaint we hear about Jamesway Carriers is—"We are sorry we did not have them years ago." Shown above a Jamesway Milk House ventilated the Jamesway.



# The easy way to erect Carrier Track With Jamesway Track Hangers

All Jamesway track hangers hold track rigidly in place, being securely bolted to the track at the lower end. Extension bolts may be used to drop the track any distance desired. Hangers are of wrought iron—should be spaced not more than 33 in. apart.

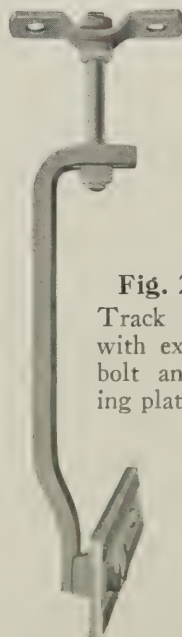


**Fig. 210C**

Track hanger showing attachment of hanger to nailing plate and to track. (Reduced to about one-half actual size.) No stop block is needed the Jamesway; simply reverse the position of the last hanger and use as a stop block—it cannot work loose.

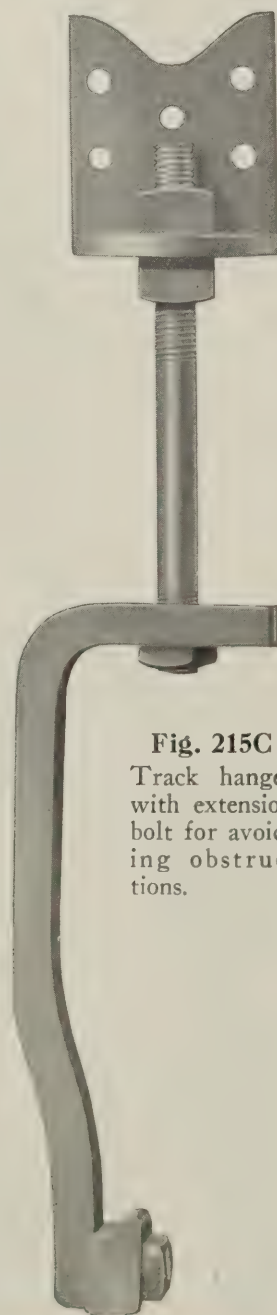


Actual size nails used in nailing ceiling plates or nailing plates to ceiling or joists.



**Fig. 219C**

Track hanger  
with extension  
bolt and ceil-  
ing plate.



**Fig. 215C**

Track hanger with extension bolt for avoiding obstructions.



# Ice or Sleet means *nothing* to this track That's *when you need* a carrier most

Jamesway I-Beam Track has many advantages the man on the farm will appreciate. In the first place, it is about as easy to erect as track can be made—simply bolt the hanger to the track and nail in place. Once up, there is nothing about it that will wear, get out of order, or cause trouble. It is a trouble-proof track and we sometimes think it will never wear out.

I-Beam track needs no special curves. You simply bend it right on the job to the curve desired. No heat is required. As there are usually several curves on every job, this makes quite a saving in cost.

Shaped much like a railroad rail and for much the same reason—to give strength. It does not noticeably spring under heavy loads. The 2 in. depth of track (see actual size illus-

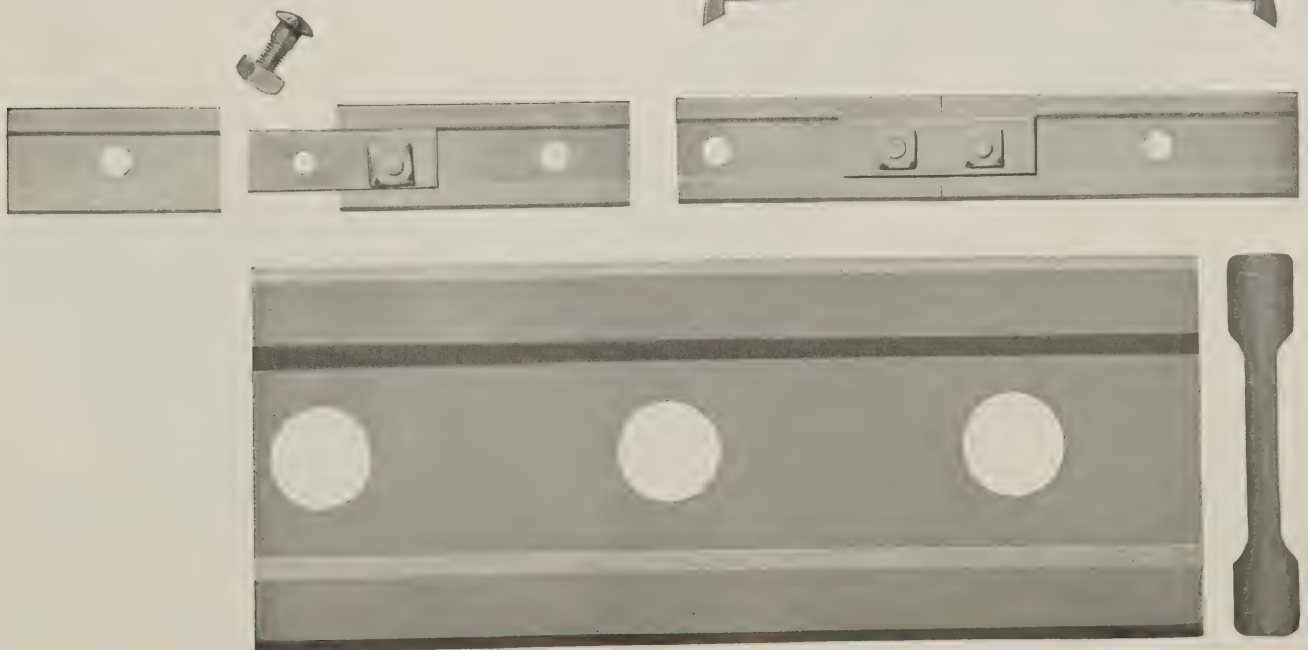
tration), with its heavy flanges, both top and bottom, make the Jamesway a stiff track.

Snow and sleet accumulate on flat tracks interfering with the free operation of the carrier. Before the carrier can be operated the obstructions must be removed. The narrow tread of the Jamesway track offers no place for ice or snow to collect and therefore, needs no expensive covering outside to permit its free use at all seasons. You can use the Jamesway when you need it most.

This same narrow tread is also the reason for the easy running qualities for which this car is preferred. An easy shove will send the Big Boy spinning the whole length of the barn. That's because the narrow tread offers very little friction. An easy running carrier is always to be preferred over one that jerks and stalls.

*Now*

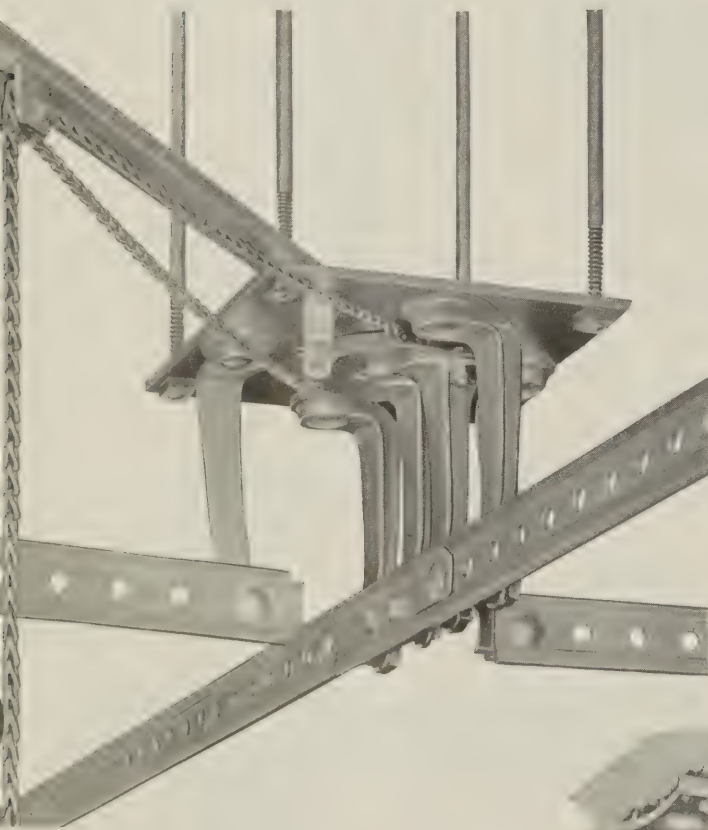
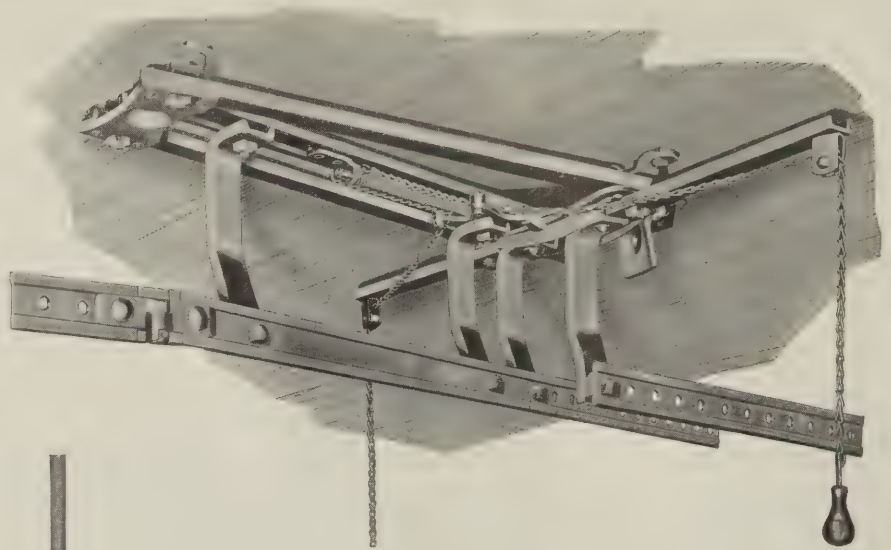
*Hot Galvanized*



# Switches for Big Boy and Combination Carriers

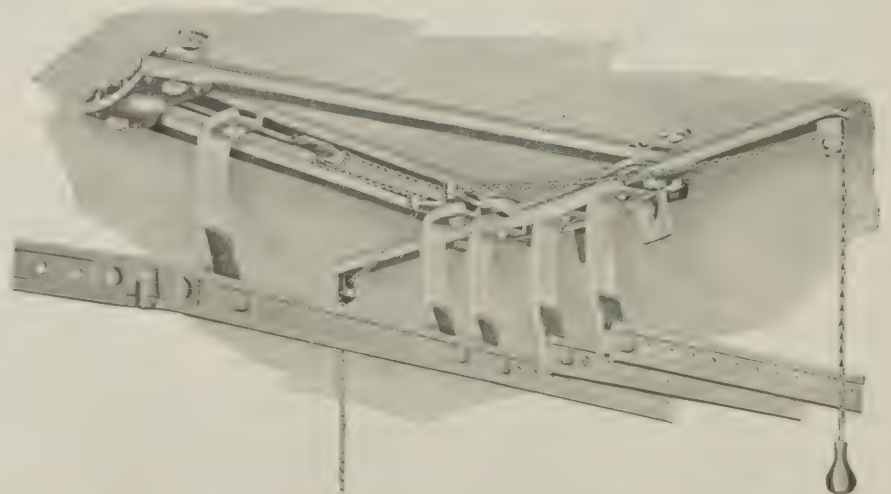
## Two-Way Switch

A pull on the chain unlocks all Jamesway Switches and transfers to the track desired. At the same time automatically setting stop blocks to prevent carriers running off open track.



## Cross Over Switch

For use where two tracks intersect at right angles. Operates exactly as regular two and three-way switches.

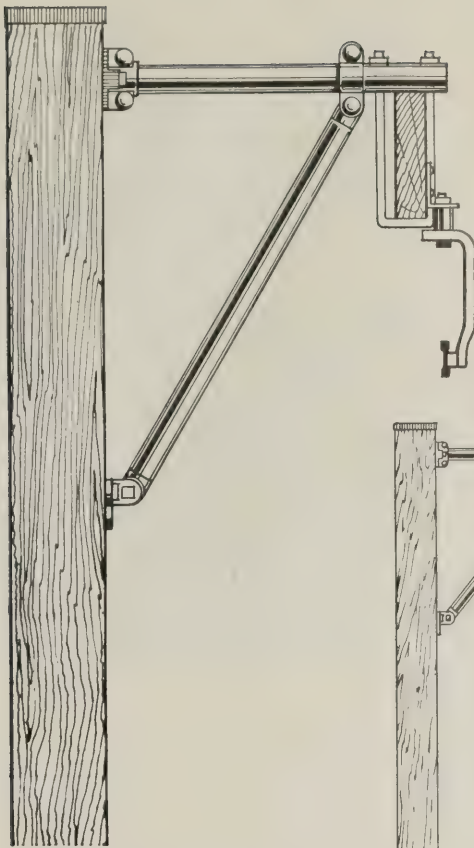


## Three-Way Switch

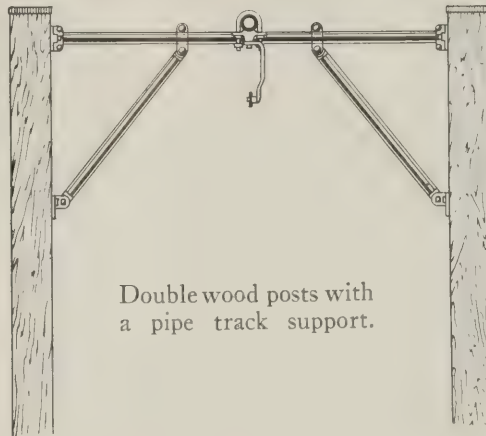
The Jamesway Switch is the simplest, surest, and easiest in operation. Made of best gray iron and malleable iron. All carefully fitted for immediate operation.



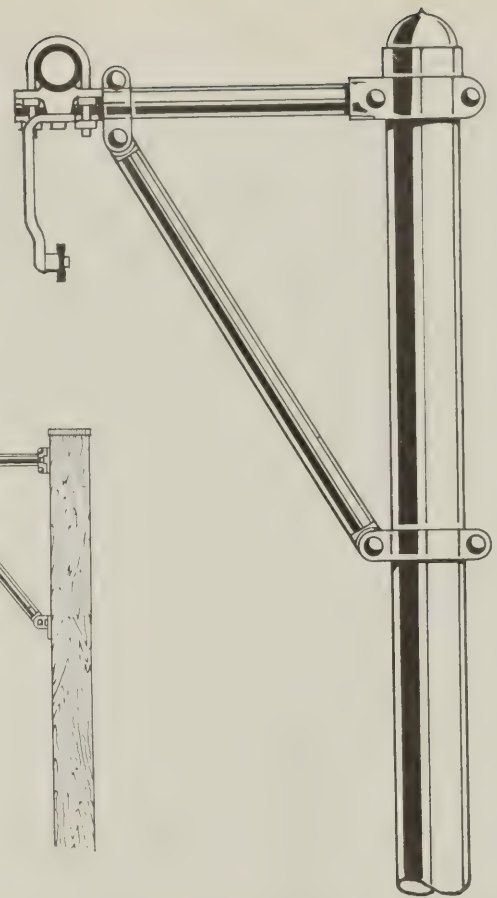
## Special Out- side Carrier Supports Wood and Steel Bracket Supports



Wood post with wood track support. Can also be had for a steel pipe track support.

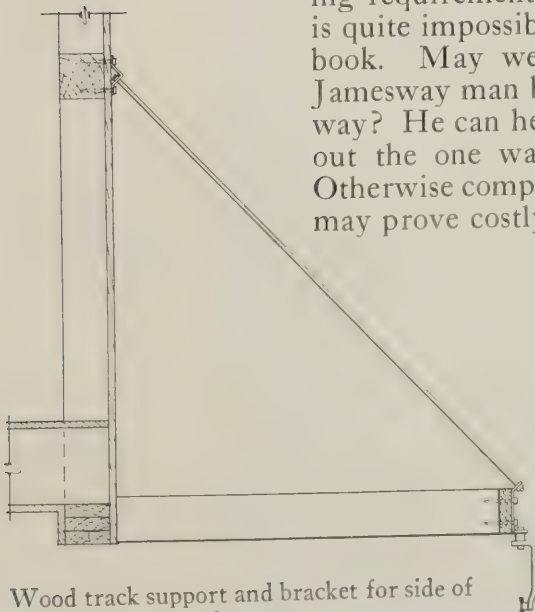


Double wood posts with a pipe track support.

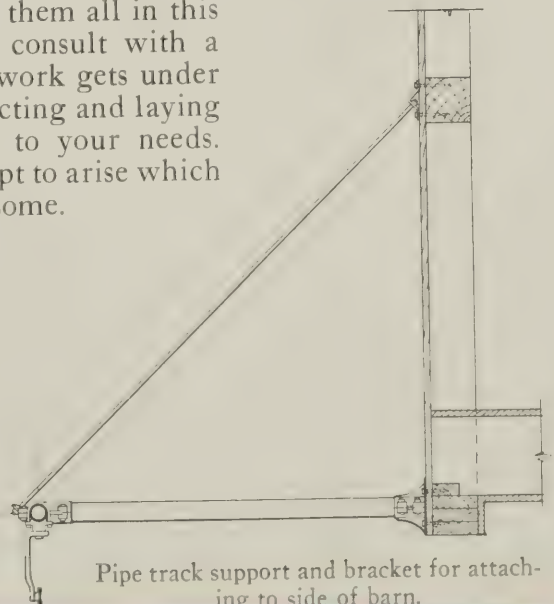


Steel Column with pipe track support.

Supports for special installations where the Swinging Crane or Outside Arch Supports cannot be used. We make a variety of Special Carrier Supports. Also a line of Wood and Steel Bracket Supports for carrying track alongside of barns. There are so many differing requirements for supporting track that it is quite impossible to describe them all in this book. May we suggest you consult with a Jamesway man before actual work gets under way? He can help you in selecting and laying out the one way best suited to your needs. Otherwise complications are apt to arise which may prove costly and troublesome.

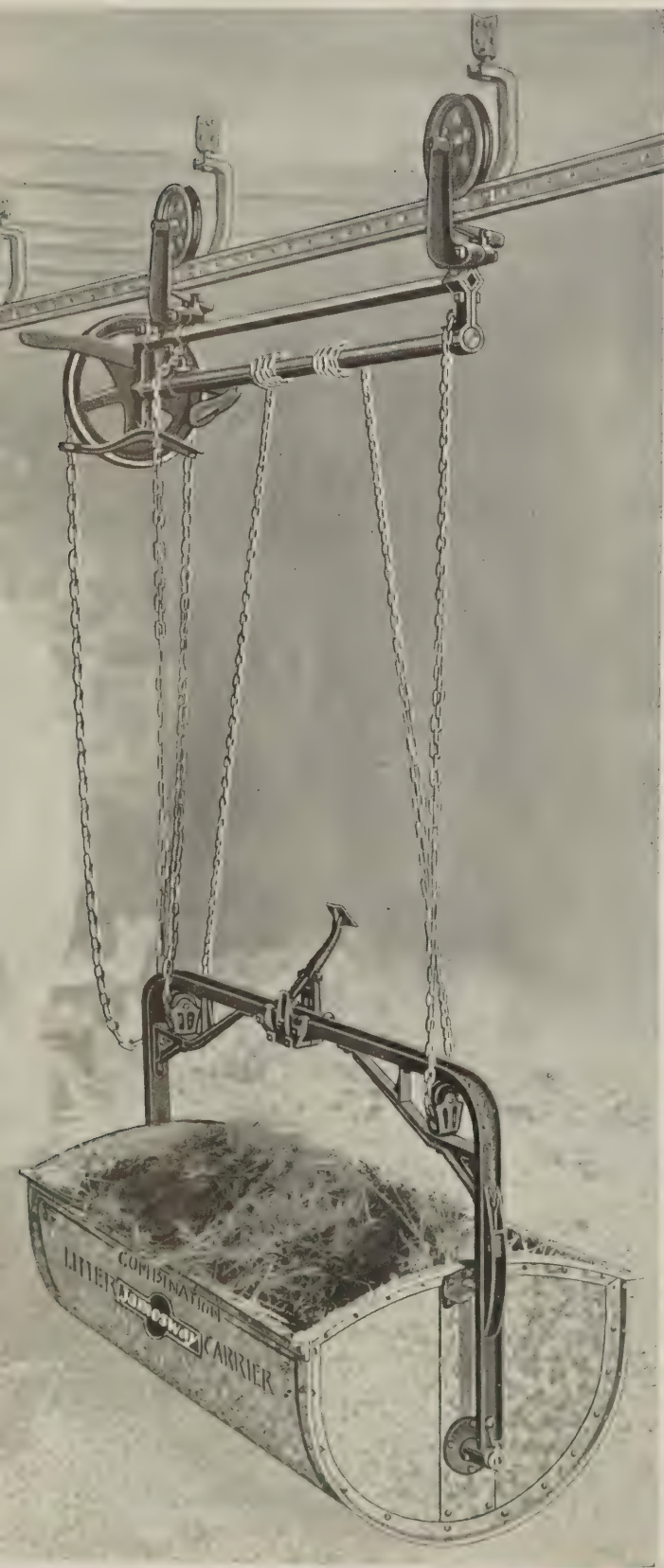


Wood track support and bracket for side of barn.



Pipe track support and bracket for attaching to side of barn.

# Jamesway Combination Carriers



This Carrier is most successfully used in barns having small herds. We do not recommend it for herds of more than 12 cows — 15 cows at the outside, because the capacity of the tub must be limited to the strength of its anchorage. Made as well as we make everything in our line. Pictures tell the story of its method of operation.

## *Specifications*

**Steel Tub:** Of 18-gauge galvanized steel built on framework of 1 x 1 x  $\frac{1}{8}$  in. angle iron at sides and ends. Ends reinforced with steel plate  $3\frac{1}{2}$  x  $\frac{9}{64}$  in. Corner rivets,  $\frac{1}{4}$  in. thick, and other rivets,  $\frac{1}{8}$  in. thick, are all galvanized. Gudgeon support is riveted to two thicknesses of steel on each end of tub. Tub is self-cleaning.

**Bail and Gudgeon:** Adjustable Bail is of channel steel with heavy braces. Gudgeon firmly riveted to steel plates and tub ends.

**Tracker Wheels, Frame and Keeper:** Gray iron wheels, lathe turned, large diameter, mounted in swiveled tracker wheel frames which are so built that wheels cannot jump the track. Axles of steel with long cold rolled steel roller bearings. Carrier runs on I-beam track inside barn, rod track outside.

**Latch and Trip:** Latches at both ends, locking and unlocking simultaneously. Trip block of malleable iron locks to track at any desired point, tub dumps automatically on striking block.

**Perfect Control Clutch and Brake:** Tub lowers itself by own weight. Clutch and brake controlled by single lever, operated with one hand. One lever starts tub, controls speed and stops tub.

**Shaft, Hoist and Lifting Chain:** Shaft of  $1\frac{1}{4}$  in. cold rolled solid steel shafting. Hoist wheel is 11 in. in diameter, made of best malleable iron and steel—raises tub quickly. Straight lifting chain tested for several times the load it will have to carry. Malleable chain guides. In winding, chain forms an open spiral preventing rubbing and wear.

**Bearings:** All bearings are machined to assure accurate fit and smooth surface.

**Capacity:** Tub is 40 in. long x 22 in. wide and 16 in. deep. Holds about 5 bushels. Weight about 137 lbs. Tub is finished hot galvanized. Other parts gray enameled.

**Clearance:** The distance from the top of the track to the bottom of the tub when raised is  $37\frac{1}{2}$  inches; when lowered the distance is 8 feet.





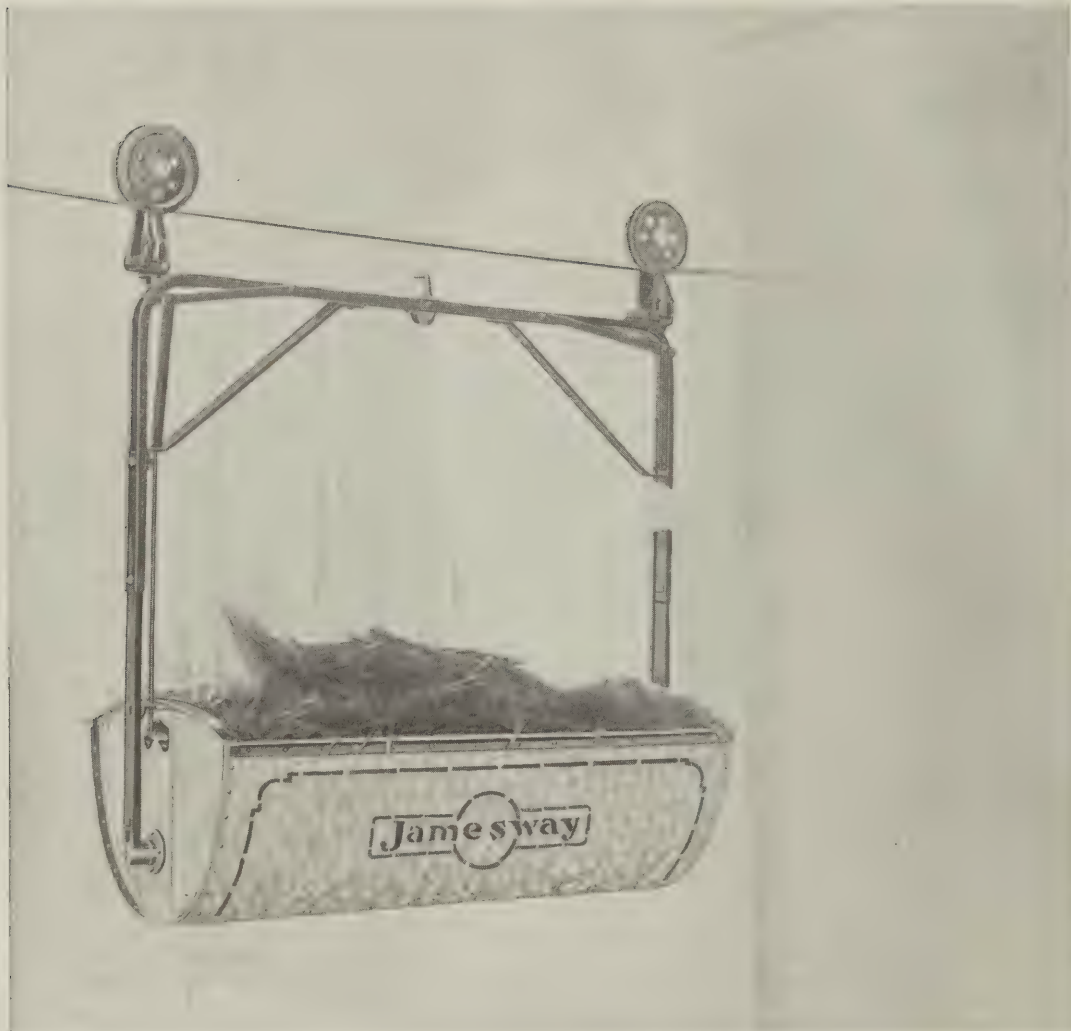
# I-Beam Track *indoors* Rod Track *outdoors*

Stand at the barn door, give the carrier a shove—it runs out, dumps at the place desired and returns to the barn. Saves steps and hard work.



# Jamesway Chore Boy Carrier

## A Rod Track Carrier



### *Specifications*

**Steel Tub:** Of 18-gauge galvanized steel. Built on framework of angle iron, 1 x 1 x  $\frac{1}{8}$  in. at side and end edges; tub ends reinforced with steel plates  $3\frac{1}{2}$  x  $\frac{9}{64}$  in., well riveted. All rivets galvanized and are  $\frac{3}{16}$  in. except corner rivets, which are  $\frac{1}{4}$  in. Gudgeon support is riveted to the two thicknesses of steel on ends of tub. Tub is self-cleaning.

**Bail:** Of channel steel with heavy bail braces. Bail is adjustable, to raise or lower tub.

**Tracker Wheels:** Gray iron, lathe turned, large diameter, mounted in swiveled tracker wheel frames, which are so constructed that wheels cannot jump the track. Wheel axles of steel with long cold rolled steel roller bearings.

**Clearance:** The distance between the top of track and bottom of tub is  $46\frac{1}{2}$  inches.

**Latch and Trip:** Latches and trip rods at both ends of tub, locking and unlocking simultaneously. Tub dumps automatically when tub strikes trip block, dumps to either side. Malleable trip block can be locked at any desired point on the track.

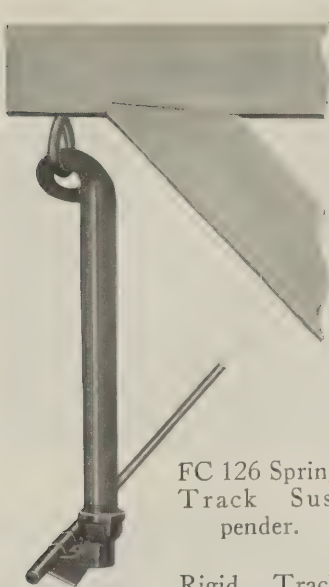
**Bearings:** Bearings that get much wear in operation are machined to assure accurate fit and smooth surface. This reduces friction, lessens the wear, increases ease of operation and adds greatly to the life of the carrier.

**Capacity:** Tub is 40 in. long, 22 in. wide, 16 in. deep; capacity is approximately 5 bushels.

**Finish and Weight:** Tub is finished hot galvanized. Balance of carrier gray enameled. Weight about 92 pounds. Use on rod track.

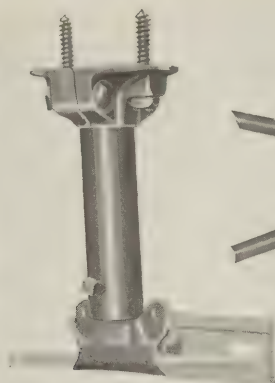


# Chore Boy and Combination Carrier Parts

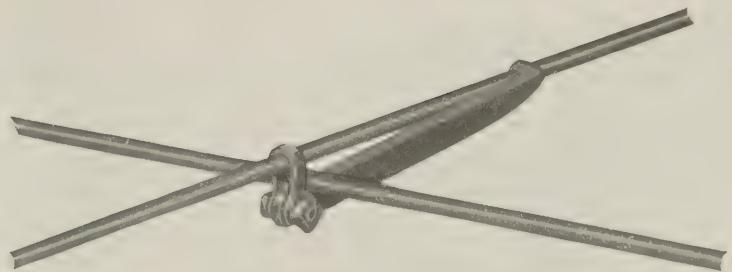


FC 126 Spring  
Track Sus-  
pender.

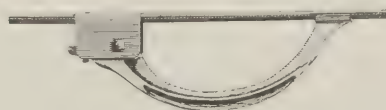
Rigid Track  
Suspender FC  
127, not illus-  
trated.



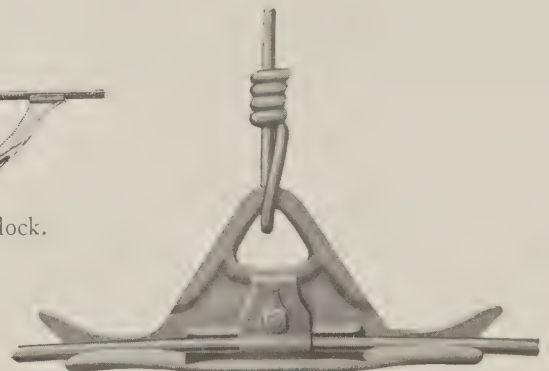
Rod Track Strut.  
No. 7.



FC 357. Clamp for Rod Track.



AC 178. Trip Block.



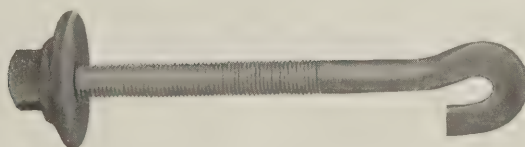
Angle Bracket for Rod Track. FC 187.



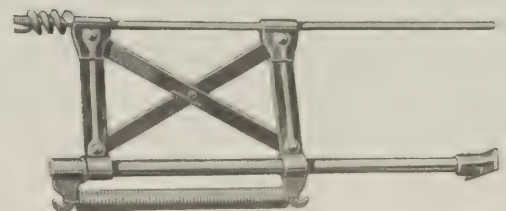
Track Transfer to be used where I-Beam  
track joins rod track.  
Right, No. 146.  
Left, No. 147.

4/0 Rod Track.  
Actual Size.

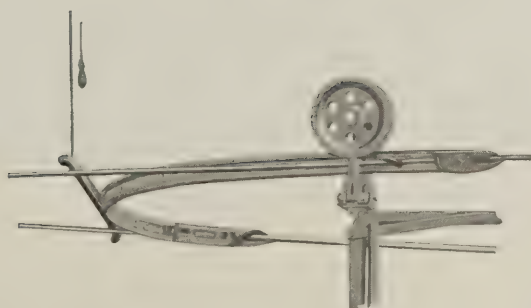
6/0 Rod Track.  
Actual Size.



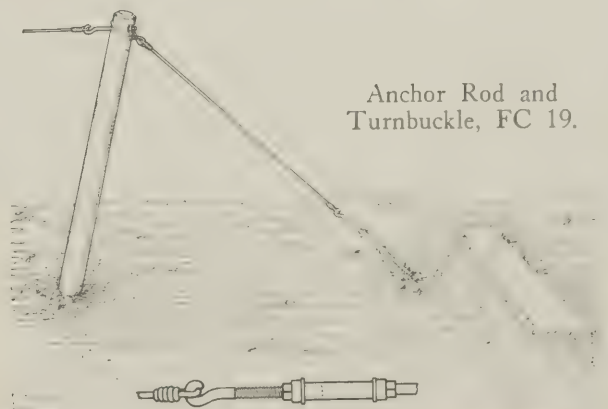
FC 129 Tension Bolt.  
Size  $\frac{7}{8}$  by 28 in.



Safety Device. FC 120.



Switch or Curve.  
Curve FC 348.  
Switch FC 349.



Anchor Rod and  
Turnbuckle, FC 19.

# A few of the thousands of happy farmers



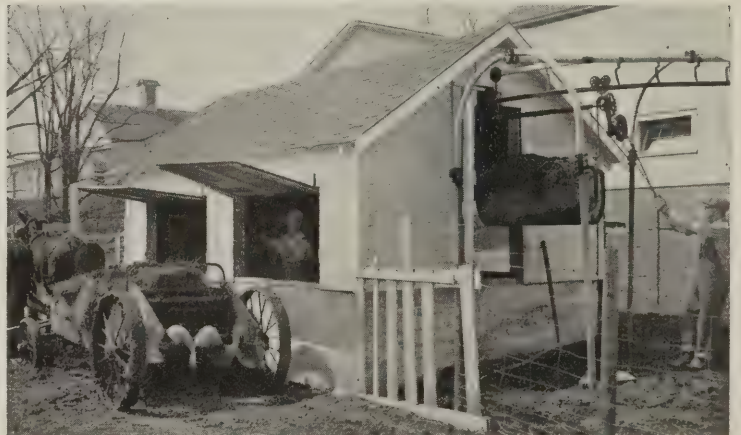
Cleaning the barn is now boys' work.



A neat and strong wood post and bracket support.



Single Post and Bracket Track Support.



Covered Manure Pit saves valuable fertility.



A concrete loading pit is handy.



Manure from barn to field handled once.

Customers who have used Jamesway Carriers 15 to 20 years say they are good for another 20 years.



# that have Jamesway help at chore time



Neat, strong, steel supports and brackets.



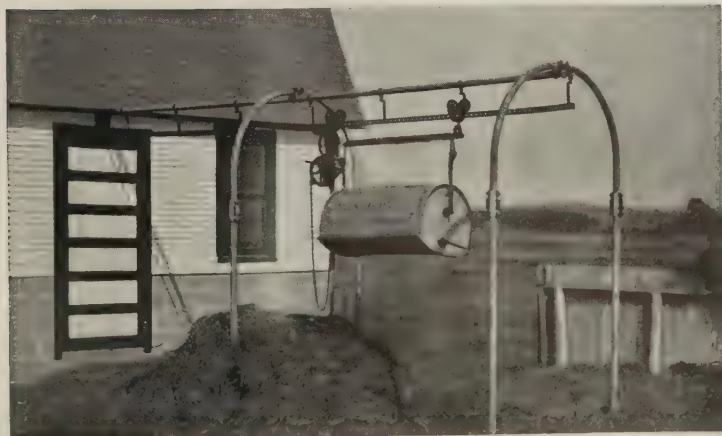
How much easier and quicker than the old way.



Steel Support along side of Barn



Well made wood track support.

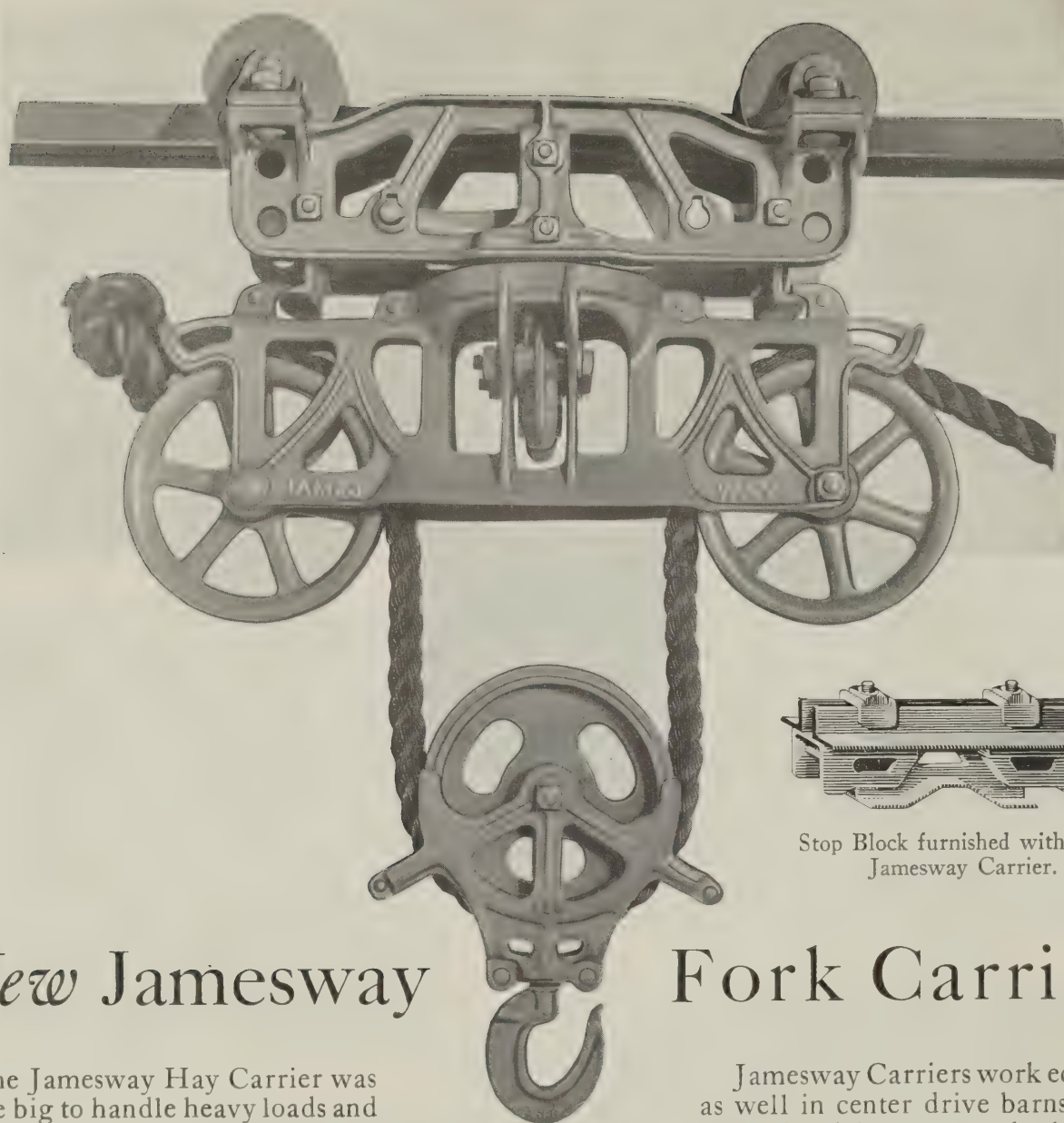


Arch Supports are our recommendation.

With all their good qualities Jamesway Carriers cost no more, oftentimes less, than inferior carriers.



A happy farmer and his Big Boy.



Stop Block furnished with every Jamesway Carrier.

## New Jamesway

## Fork Carrier

The Jamesway Hay Carrier was made big to handle heavy loads and to mow them away fast. A large, flaring, open mouth receives the fork pulley from any direction. The load can swing or twist, but the fork pulley will register and be held securely by a double lock that engages both sides of the fork pulley. Regardless of what angle the load is elevated, the fork pulley cannot fail to register.

Large tracker wheels with a deep flange make this an easy-riding car. The long  $14\frac{1}{2}$ -in. wheel base divides the weight of the load and spreads it over a large portion of the track. Wheels are adjustable to all standard makes of track and special designed keepers make it impossible for the car to jump the track.

Jamesway Carriers work equally as well in center drive barns as in barns filled from one or both ends. For end filled barns, it works as a one-way carrier. For center drive barns, it can be reversed anywhere and pulled to the desired place. The two large rope wheels make it possible to pull the rope through and use the carrier without reversing it, when so desired.

A tie saddle that binds the frame together forms a load support and releases strain from the center swivel block when the load is being elevated.

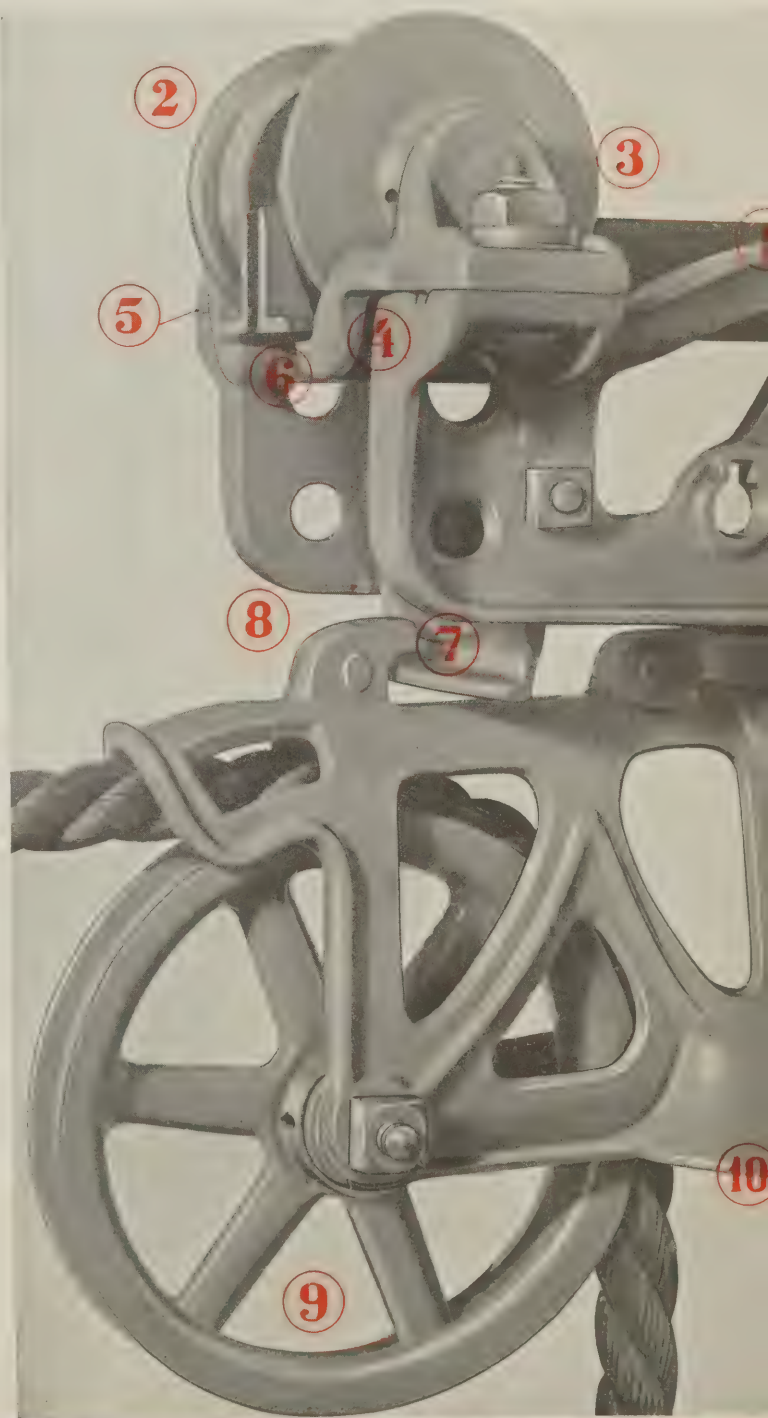
Built strong and sturdy of malleable iron, gray enameled, weight 53 pounds. Heavy enough for real big loads.

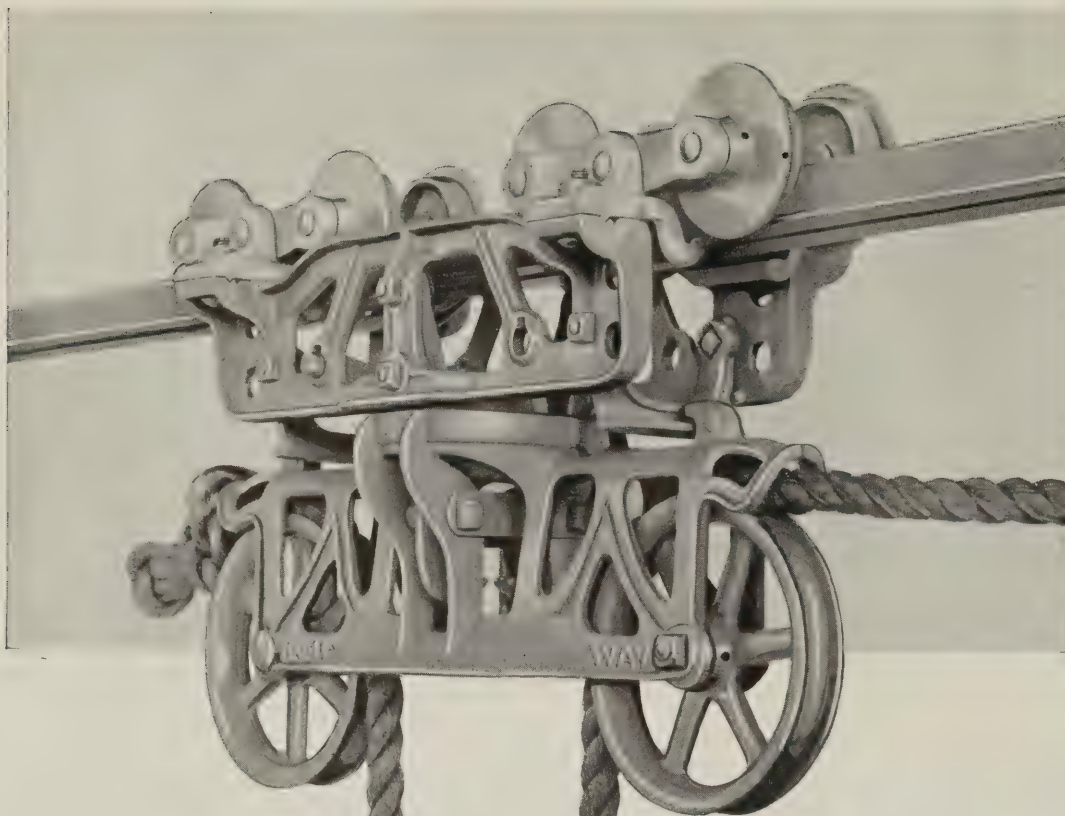


# A *New* Fork Carrier

*for present day needs*

1. Long, easy riding wheel base, 14½ in. overall, spreads weight of load over large portion of track.
2. Tracker wheels, 3 in. in diameter on tread with ½ in. traction face, large oil hole, machined bearings.
3. Machine tool steel axle, ¾ in. in diameter with machined oil groove.
4. Wheel base adjustable for 2 or 2½ in. track. V'd notches assure perfect adjustment, never slips. Fits practically all makes of standard track.
5. Jamesway specification steel track, riveted every 12 in. with steel spacer bars for rigidity. Hanger clamps keep track from spreading.
6. Track keepers prevent car from jumping track.
7. Tie saddle adds necessary rigidity to frame.
8. Load support releases strain from center swivel block when elevating load.
9. Large rope sheaves, cast of gray iron, full 7 in. in diameter, machined axle with large grease groove. Uses ⅞ or 1 in. rope. Wheels for steel cable can be had in place of rope sheaves.
10. Large, flaring, bell-shaped mouth. Fork pulley cannot fail to register.
11. Reversible, can be used in center-filled barns or in barns filled from one or both ends.
12. Structural design, heavy Jamesway malleable, staunchly built, weighing 53 pounds. A good way to judge a carrier is by its weight. Here is a big heavy carrier for heavy work.
13. Finish, battleship gray enamel baked on.





## New Jamesway

### *Specifications*

Built just the same as the new Jamesway Fork Car with the same outstanding features. Can be had with either a four or eight-wheel truck; but because of the heavy loads carried in the sling, Jamesway recommends the eight-wheel truck. Will make for lighter draft and spread the weight of the load over a larger portion of the track.

It is surprising how smoothly and easily this big carrier runs. Tandem wheels with adjustable wheel base fit practically all makes of track. Large tread wheels with keepers that prevent the car from jumping the track, allow this Jamesway car to be pulled along the track without friction or binding.

## Sling Carrier

The sling is elevated to the top of the barn and no extra rope is needed to trip car from the stop block. Where there are no cross beams within the barn, the hay can be carried into the mow as soon as it leaves the wagon, simply by adding an adjustable bail to the draft rope.

A trip is built into one of the sling pulleys which does away with the necessity of a separate trip where two or three rope slings are used.

Jamesway Sling Cars can be easily changed for use with a fork by changing the sling pulleys for a fork pulley, or by using a fork clevis.

Jamesway Sling car weighs 77 pounds; heavy enough, and large enough to handle big loads without causing trouble.



# A Combination Carrier

*for fork or sling  
high or low draft*  
*Adjustable to standard tracks*

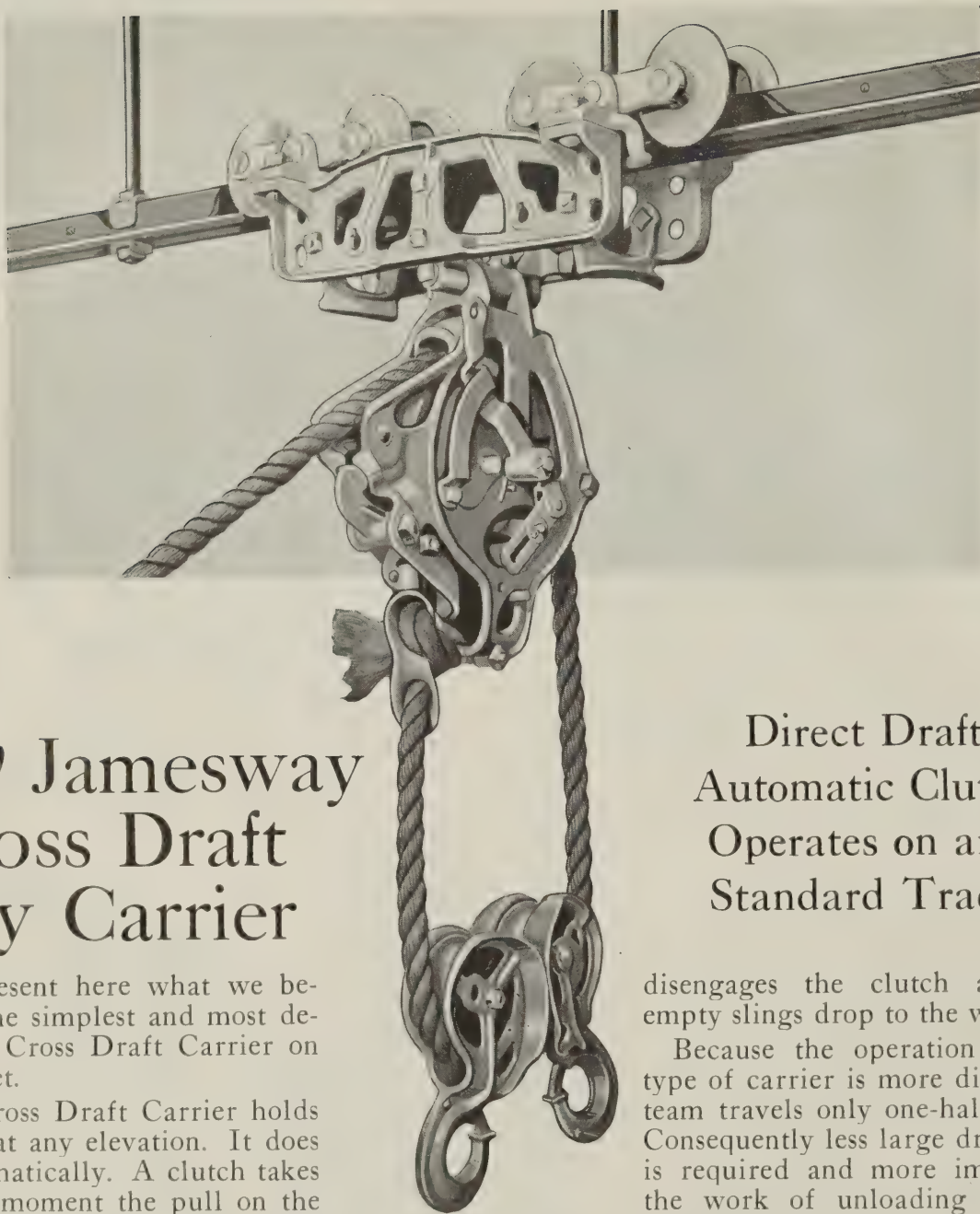
The wheelbase of the Jamesway Hay Car is adjustable for 2 or 2½ in. track. V'd notches assure adjustment, and when adjustment is once made it can never slip. Fits practically all makes of standard tracks. All you need is a common wrench; loosen the nut, slip the wheel over, and tighten the nut. On no other car will you find it so easy.

Tie saddle keeps the car from spreading. Wheel Keepers prevent it from jumping the track. Buy a Jamesway and always have a smooth, easy running car; one that does not bind or jump the track.

Jamesway Fork Cars can be easily adapted for use with hay slings. All that is required are the sling pulleys shown at the right. These replace the fork pulley. If it is desired to change from a sling to a fork car, the fork pulley can be put on the draft rope in place of the sling pulleys, or a clevis may be used as shown at right.

In barns where there are no cross beams or other obstructions, an adjustable bail can be used on the draft rope of sling carriers. This permits tripping the car from the stop block without elevating load to top of barn. Load can be carried into barn just as soon as it leaves the wagon. Saves work, saves time.





## New Jamesway Cross Draft Hay Carrier

We present here what we believe is the simplest and most dependable Cross Draft Carrier on the market.

Our Cross Draft Carrier holds the load at any elevation. It does this automatically. A clutch takes hold the moment the pull on the draft rope is released. The heavier the load the more securely the load is held by the clutch.

Being automatic, the load does not need to be elevated any higher than to let it pass into the mow. When the load reaches the desired height, the team is stopped and turned around. The load shift rope is then hooked to the single tree and the load is drawn along the track and tripped. Two convenient rope hitches are furnished for draft and shift ropes.

The unloaded carrier is then returned to its starting place. A light pull on the trip rope

Direct Draft  
Automatic Clutch  
Operates on any  
Standard Track

disengages the clutch and the empty slings drop to the wagon.

Because the operation of this type of carrier is more direct, the team travels only one-half as far. Consequently less large draft rope is required and more important, the work of unloading is done more quickly.

Because the draft rope passes over only one large 8 inch sheave, there is less friction, less wear and tear on the rope and requires less power to lift the load. Carrier uses  $\frac{7}{8}$  or 1 inch draft rope and  $\frac{5}{8}$  inch load shift rope. The latter may be operated by hand if desired.

Carrier is furnished with an eight wheel truck, which together with chassis is of the same construction as our fork or sling cars, including adjustment for all makes of standard track. Weight 65 lbs. Furnished in grey enamel.



## Grapple Fork

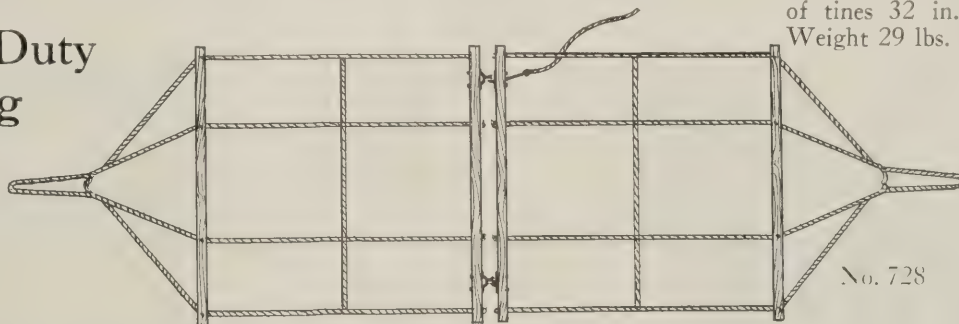


4 TINE No. 738

6 TINE No. 739

Jamesway Forks handle big loads of either loose or baled hay. Made of high carbon steel with malleable iron cross braces. Tines full  $\frac{1}{2}$  in. thick and  $1\frac{1}{8}$  in. wide. Has 72 in. spread. Trips from any direction. Furnished with 4 or 6 tines. Weight, 4-tine fork about 53 pounds; 6-tine fork about 73 pounds.

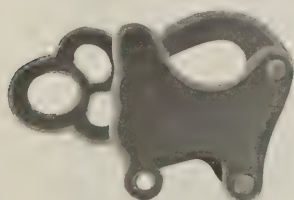
## Heavy Duty Sling



No. 728

There is a double lock between this sling instead of the usual one center lock. A hook and eye at one end, a trip lock at the other. Sling is connected and locked with one motion.

Carries load without sagging at each end. Load falls from sling and lays just like it was on wagon. Has 4 heavy wood cross bars, 6 ft. long. Main ropes,  $\frac{1}{2}$  in.; cross ropes  $\frac{3}{8}$  in.



Sling Lock. Required for 2 or 3 rope slings, when carrier does not have a trip on one of the binding pulleys. Not needed where Jamesway Carriers are used. No. 744.

3 Rope No. 769

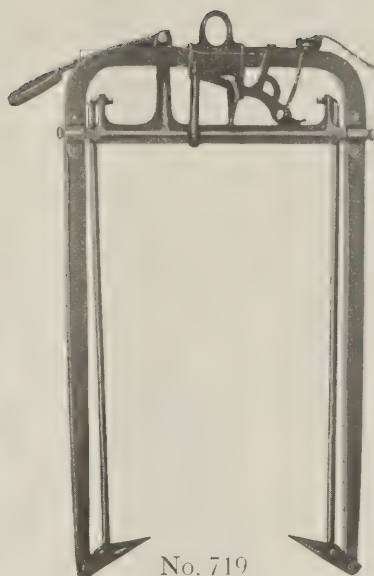
## End Trip Slings

2 Rope No. 768



Either 2 or 3 ropes. Adjustable to wagon length. Made of  $\frac{1}{2}$  in. rope with malleable castings. Requires sling lock shown at left for all but Jamesway Sling Carriers.

## Harpoon Forks



No. 719

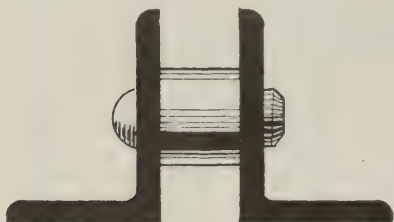
Rocker Bar type. A compact, heavy fork with rocker bar close to top; permits carrying hay to very top of barn. Locks open and closed, trips from any position. Made of high carbon steel with malleable castings. Length of tines 31 in.; spread 18 in. Weight,  $22\frac{1}{2}$  pounds.



No. 230 Double Harpoon Fork, picks up hay from very bottom of wagon. Made of heavy bar and spring steel. Trips in any direction. Length of tines 31 in.; spread 17 in.

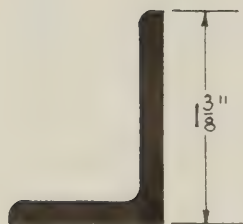
No. 720 Double Harpoon Fork, same as No. 230 except made big for big loads. Length of tines 32 in., spread 23 in. Weight 29 lbs.

# Here is *why the* solid Jamesway Track *Makes a smooth running Hay Carrier*



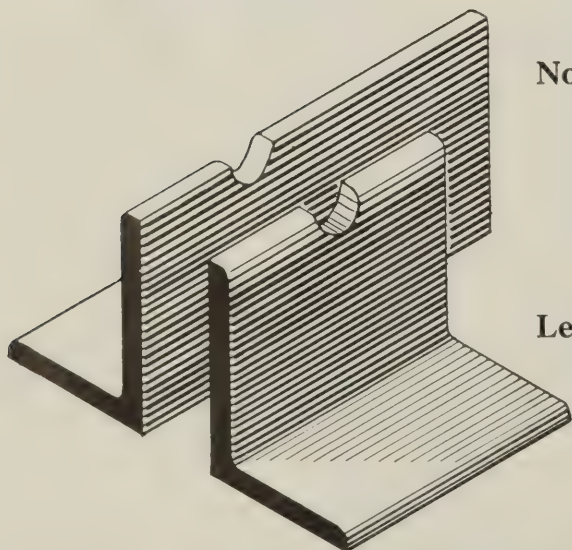
**Tie Block Riveted:** Look at this staunchly built track.

Every 12 in. it is riveted together with a spacer bar or tie block. Keeps the track from being pulled together and adds that necessary rigidity looked for in all good tracks. No car ever jumped a Jamesway track because the track had pulled together.



**Deep Web:** Jamesway track is made of specification steel angles,  $1\frac{3}{8} \times 1 \times \frac{5}{32}$  in. The extra deep vertical web, for added strength where strength is needed, makes Jamesway track sturdy and durable.

**Hanger Clamps:** A part of the hanger bolt, see illustration on opposite page. Fits over the upright web. Keeps track from spreading. Cars run easily on Jamesway track because it cannot spread and cause binding.



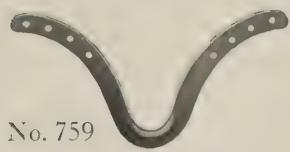
**Notched Splice:** See those notches? V'd ridges on the malleable splice block fit into those notches on both sides of the splice. How can it slip or pull apart? Splice block overlaps 3 in. each side of staggered splice, making Jamesway track as strong here as at any other place.

**Length:** Track furnished in 6, 8, or 10 ft. sections. Weight about  $2\frac{1}{2}$  pounds per foot. The heaviest hay carrier track made.





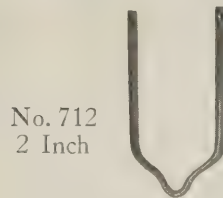
# Ask to See a Sample of This Track



No. 759  
**Rafter Bracket**  
Jamesway Malleable.



**Pulley Hanger**  
No. 743  
Jamesway Malleable. Keep rope from rubbing against barn wall.



No. 712  
2 Inch

No. 714  
4 Inch

**Ridge Pole Bracket**  
Mild steel for 2 or 4 in. ridge poles. Special sizes made to order.



No. 716



No. 717

## Pulleys

Malleable frame with 6 in. wood or gray iron sheaves. Use wood pulley where it is difficult to reach for oiling.

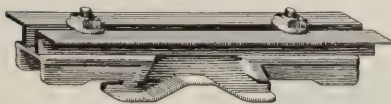


No. 700

## Track Hanger

Mild steel,  $\frac{1}{2}$  in. round, 6 in. long. Can be had also in any multiple of 2.

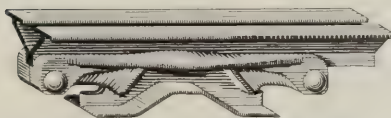
## Operates on Any Standard Tracks



No. 1063—For Hudson, Strickler, of Janesville Tracks.



No. 1064—For Loudon, or Porter Tracks.



No. 1065—For Starline Harvester Double Flange Track.



No. 1067—For Meyer Tracks.



No. 1068—For Olson, Star Peerless, Goshen, Law, or Ney Double Angle Tracks.



No. 1069—For Whitman & Barnes or Beatty Bros. Tracks.

Jamesway Carriers used with either sling or fork can be adapted very profitably for practically any make of standard track. It is the carrier to buy when replacing an old one that has become worn and useless. The wheel base is adjustable to fit the track that is already installed; and all that is required is the stop block shown here for that particular track.



# Horse Stable Equipment, Ventilation and Plans for Horse Barns

A real horseman loves his horses. He gets much satisfaction in knowing they are comfortable. He wants them to have the best so they will do their best for him. Jamesway Horse Barn Equipment was designed to meet the desires of horse lovers.

May we suggest as one piece of equipment, the Jamesway Horse Watering Cup, an automatic device which makes it possible for the horse to have water whenever wanted.

A sanitary metal grain box is another piece of equipment needed in every horse stall. After this comes stall guards, hay racks, rear posts, and box stalls. The equipment requirements of the horse are few and simple, but they will do much toward making the tired, faithful horse comfortable.

Consider in your plans the question of adequate ventilation. It will free the barn of heavy odors and in doing so prevent the destructive effect of rot that is ever present in unventilated horse barns.

If it is a new horse barn perhaps we can lend some assistance in planning. We have helped plan many work horse barns, and some of the finest polo and riding horse barns were planned by our engineering staff. If you care to have us, we will gladly send a list of recently completed horse barns for which we drew the plans. On the opposite and nearby pages are shown a few of these barns.

Equipment requirements for polo and riding horse barns differ from the draft horse equipment shown in this catalog. We are prepared to undertake made-to-order equipment for those who have some special requirements.



Jamesway Open Horse Stalls in the farm barn of E. L. Bishop, White-water, Wisconsin.



Jamesway Designed and Equipped Horse Barn owned by W. H. La Boyteaux, of Holmdel, New Jersey. Training and Stabling quarters for riding horses. Note tan bark ring.



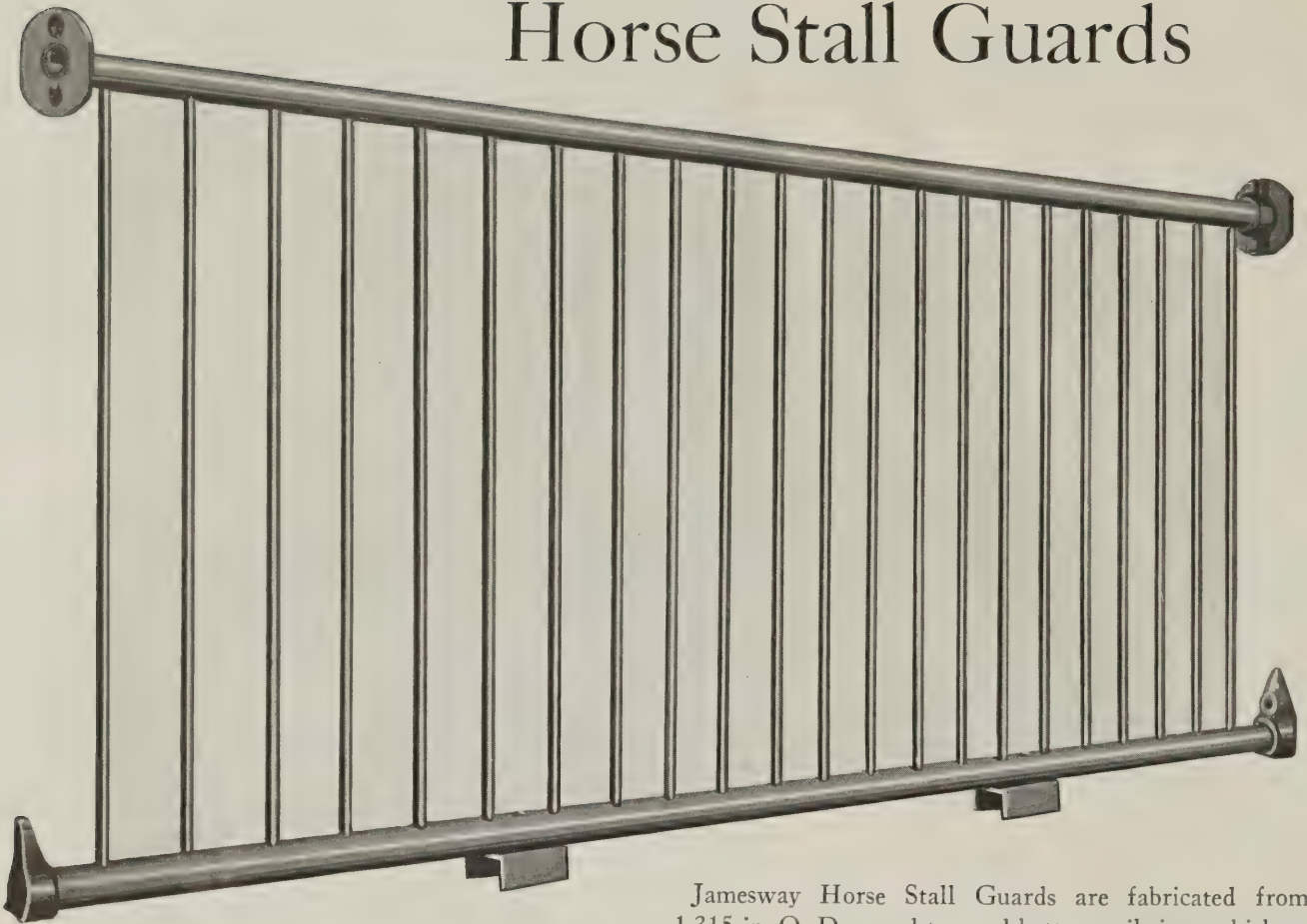
Here is a businesslike Jamesway Horse stable, owned by W. H. Roberts & Son, of Indianapolis, Indiana, who operate a large milk distributing business at that place.



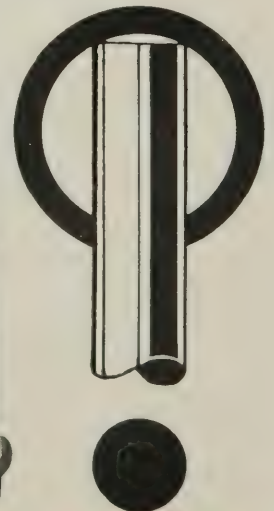
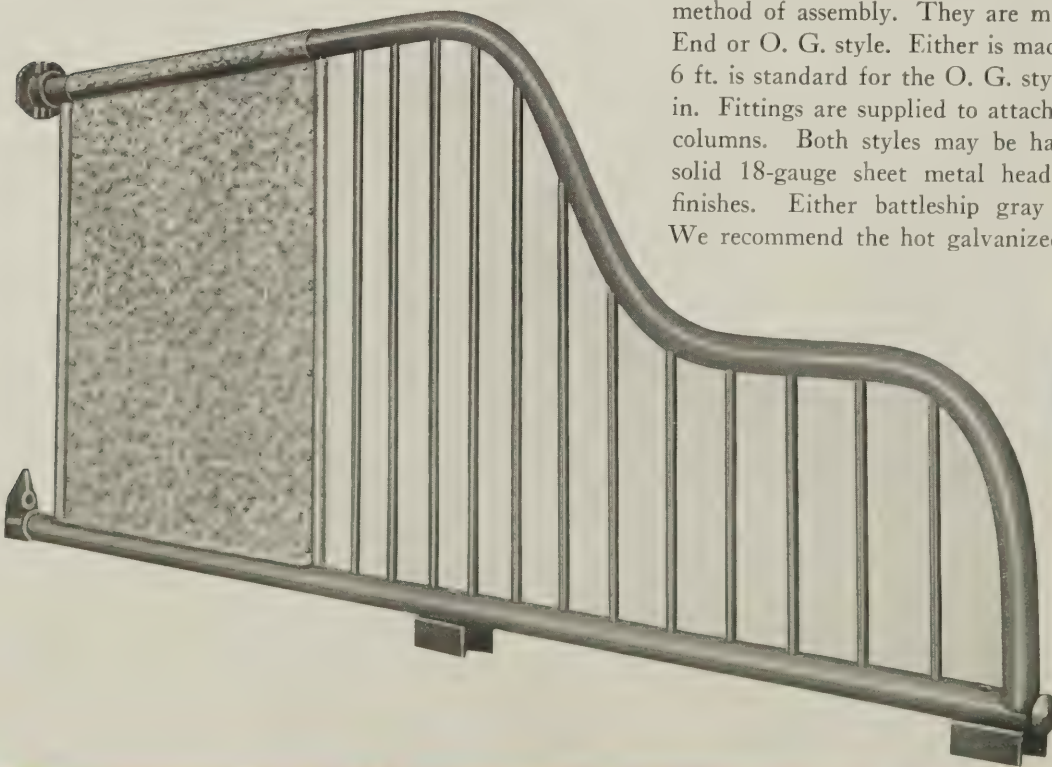
Double and Single Open Horse Stalls, equipped with Jamesway drinking cups, grain boxes, guards and rear posts, also Jamesway Ventilation.



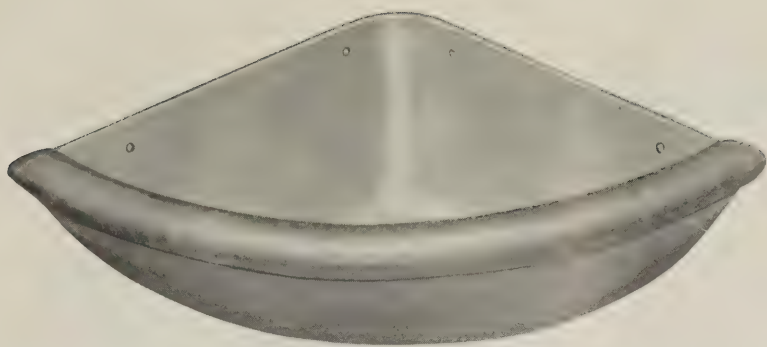
# Horse Stall Guards



Jamesway Horse Stall Guards are fabricated from 1.315 in. O. D. round top and bottom rails into which are fitted  $\frac{1}{2}$  in. O. D. solid high carbon steel spindles placed 3 in. apart on centers. Cross section illustration shows method of assembly. They are made up in either Square End or O. G. style. Either is made to any special length. 6 ft. is standard for the O. G. style. Height of guard 26 in. Fittings are supplied to attach to either wood or steel columns. Both styles may be had with or without the solid 18-gauge sheet metal head end as shown. Two finishes. Either battleship gray enamel or galvanized. We recommend the hot galvanized finish.







## Cast Iron Corner Grain Box FH287

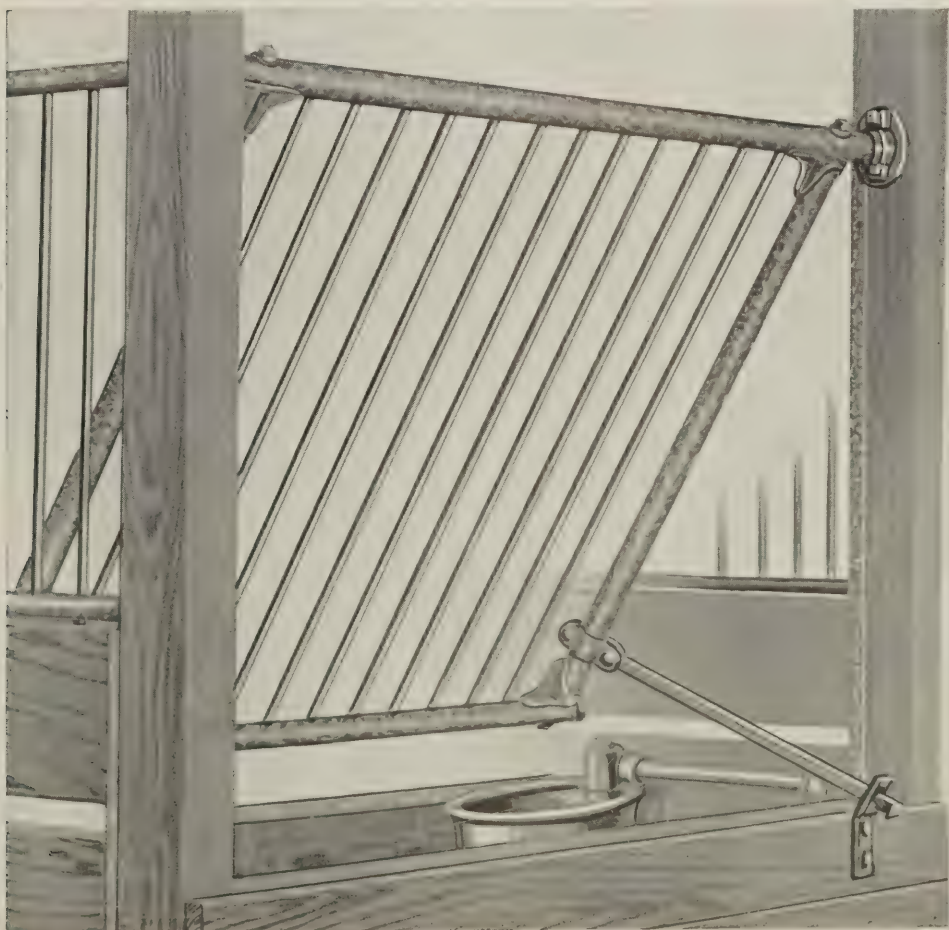
Gray iron. Rounded bottom and corners. Flange on inside prevents horse from throwing feed out of manger.  $8\frac{1}{2}$  in. deep x 17 in. x 17 in. Finished in gray enamel or hot galvanized. An excellent feed box needed badly in every horse barn. Reasonable price and life-long service.

## Pressed Steel Corner Grain Box FH4

A grain box of the same size as the one above, but pressed from a heavy 14 gauge, flat steel plate and then hot dip galvanized. Has flat bottom. Flanged on inside front edge.

## Swinging Manger Front Panel

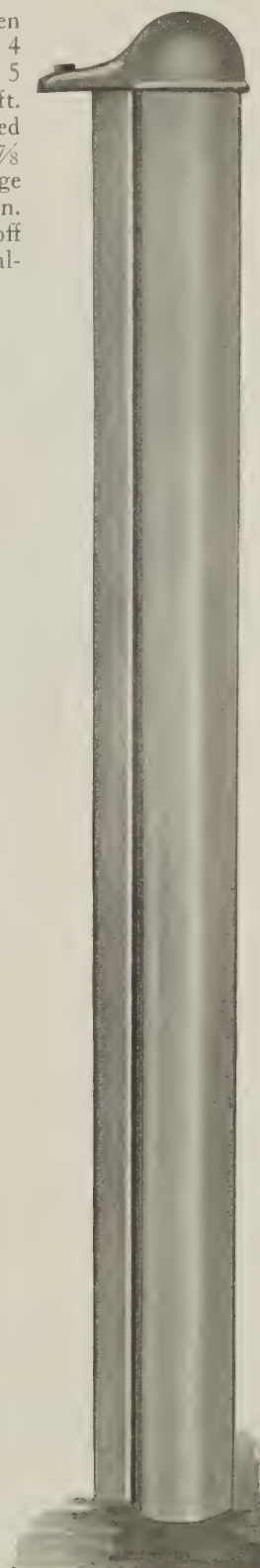
A 1.66 in. O. D. pipe frame into which has been fabricated  $\frac{1}{2}$  in. high carbon steel spindles spaced 3 in. apart. Malleable fittings throughout, including device for locking into position when hay is being placed in manger. Can also be had without swinging device. Gray enamel or galvanized finish.

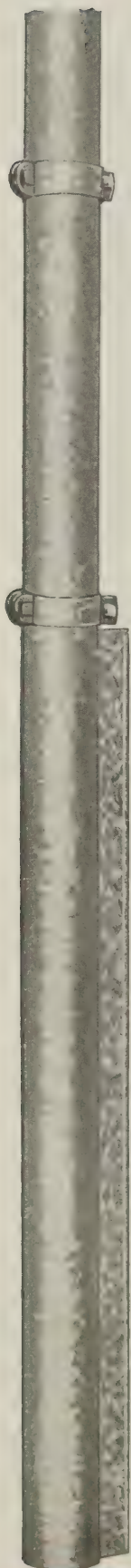


## Rear Stall Post

No. 271

Used at rear of open horse stalls. Post is 4 in. O. D. galvanized, 5 ft. 8 in. long, for a 4 ft. 8 in. partition. Fitted with steel channel  $1\frac{7}{8}$  in. x  $\frac{1}{2}$  in., 10 gauge to take ordinary  $1\frac{7}{8}$  in. plank. Finished off with ornamental malleable cap.



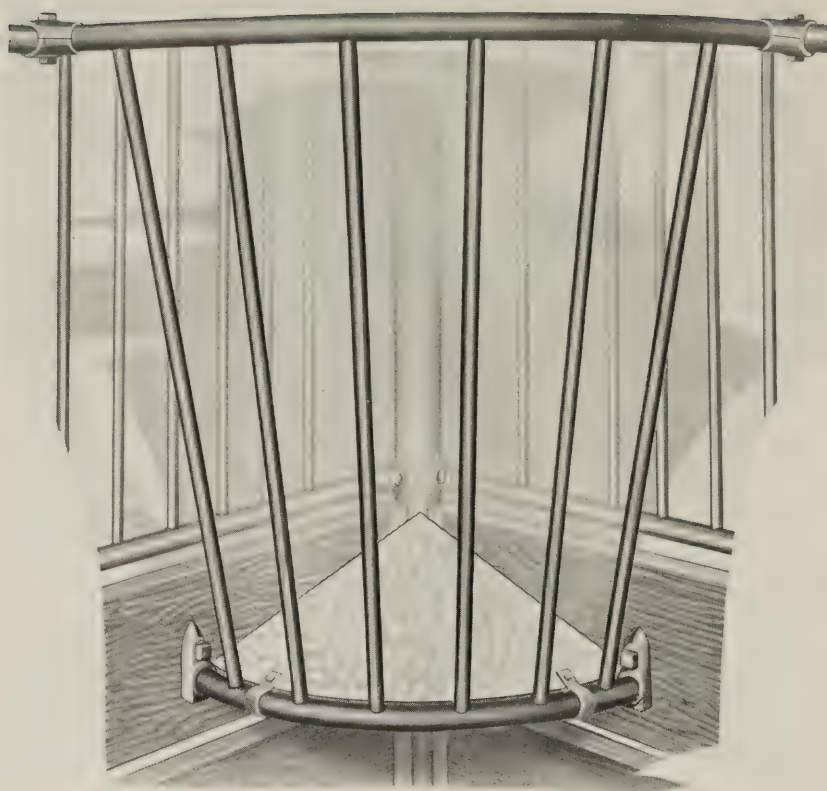


## Column Posts

Complete with caps and base and long channel attached to receive planks. Channels of varying length depending upon purpose. Columns usually 4 in. O. D. although other sizes may be had. Galvanized finish only.

## Corner Hay Racks

Top and bottom rail 1.315 in. O. D. pipe, spindles .84 in. O. D. pipe. Tilted sheet metal bottom cannot hold chaff and dirt. Height overall 37½ in. Either gray enameled or galvanized.



## Folding Hay Rack

For use against solid wall or steel panel. Swings back when not in use. Spindles ½ in. solid steel fitted into 1.05 in. O. D. pipe frame. Malleable fittings, size 36 x 36 in. Gray enameled or galvanized finish.





# Water Horses The Better Way Jamesway Special Cups For Horses

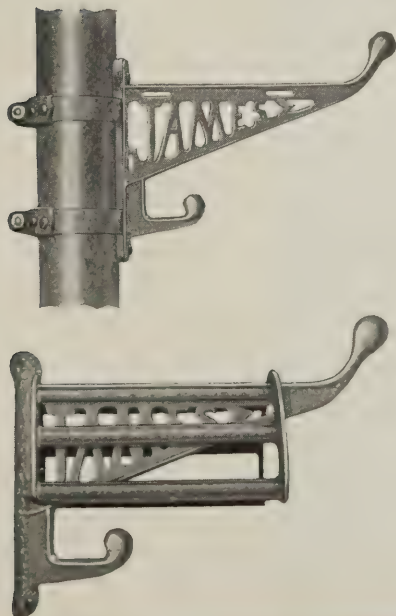
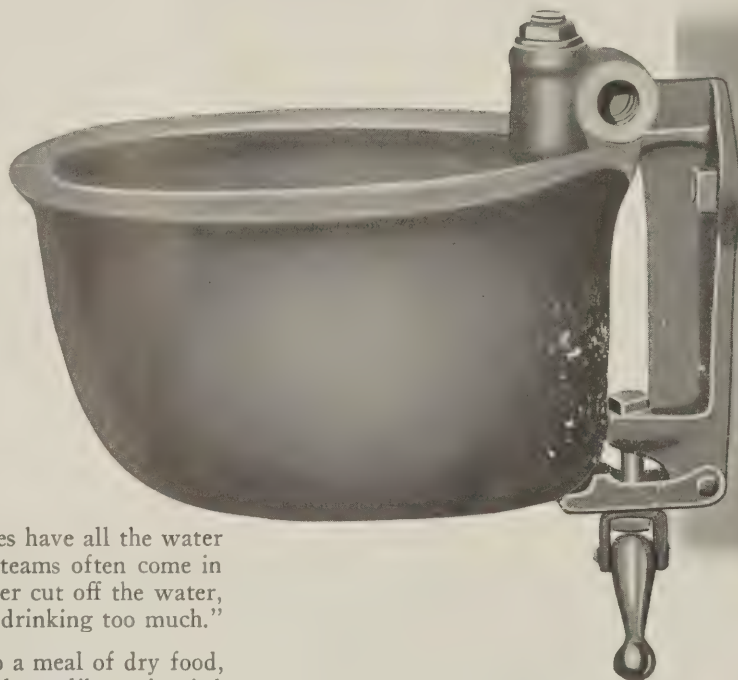
Patented.

A water cup for horses at last. This big cup is 11½ in. long, 8¾ in. wide, and 7½ in. deep inside. Weighs 21 pounds. Comes in the new galvanized finish. Has large brass valve and valve spring. Can be fed from top or bottom. Works on either high or low pressure.

Bowl is detachable for cleaning. An anti-splash rim prevents horse from lapping water out of cup. Paddle hinged. Lift up to clean out trash.

A prominent coal dealer in Chicago, with 200 horses, hauling heavy loads of coal, says: "I would not take \$20.00 each for those cups in my horse stable, if I could not replace them. I have to depend on hired help entirely and I want to know my horses have all the water they want. In the summer time our teams often come in wringing wet with sweat, but we never cut off the water, and we never have a horse sick from drinking too much."

How would you like to sit down to a meal of dry food, without a drop to drink? How would you like to be tied up with a chance to drink only three times a day? You wouldn't like it! And your horses don't either. Let's be fair to the faithful horse. Give him a Jamesway Horse Cup.



## Harness Hooks

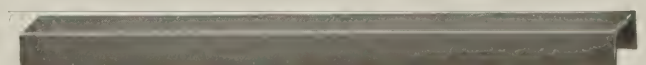
Very handy. May be had with or without saddles. State whether attached to wood or steel posts and if steel, give size. Protects harness. Extends out 12 in. Painted or galvanized finish.

## Tie Rings

Malleable fitting with two lags and 3 in. Steel Ring. Galvanized finish.



## Channels



Channels 1⅞ x 1½ in, 10 gauge. May be had in lengths to suit requirements. Useful to face top of wood mangers and for receiving plank partitions.



# Open Horse Stall with O. G. Guards

As illustrated here, this stall has a passage or feed alley. Many barns are not wide enough to permit this. In such instances our folding hay rack is often used without a manger. The corner grain box and hay rack serving instead. A water cup may be placed in the corner opposite from the grain box when the wood manger is not used.

In many ways this is an ideal stall. The columns at the rear running to the ceiling may be fitted with harness hooks and utilized for hanging harness or other trappings.

By using the swinging front panel the attendant feeds both hay and grain without entering the stall. A feature that is welcomed by many.



Here's a cheerful, comfortable, healthful home for the faithful horse.







## Open Horse Stall With Square End Guard

Open horse stalls may be made up to suit the requirements of the purchaser using the parts illustrated here and described fully in the preceding pages.

We show here an open stall with O. G. Guards, short rear stall posts with channels for receiving plank partitions, and swinging front panels.

The stall may be equipped with the solid sheet metal partition and long column posts extending to the ceiling if so desired. Many other combinations will suggest themselves to the reader.

If the stalls are to face directly against a wall, either a corner hay rack or folding hay rack may be used in connection with corner grain box.

Horses kept in a well ventilated barn have smoother, glossier coats, a sign of good condition.





# Box Stall With Roll Away Door

Equipment shown has been described in preceding pages with exception of gate hardware, which consists of a self-contained track supported with brackets and bolted to posts. Gates hung on roller bearing hangers with both lateral and vertical adjustment. Stay rol-

ler anchored to floor opposite latch. Bumper and latch of malleable. Latch is opened by foot pressure outside and pull chain inside. Stall may be built up on wood corner and gate posts, if desired. We furnish metal parts only. Finish either gray enameled or galvanized.



After a hard day's work the horse likes to come home to such a stall as this.







## Box Stall with Swing Away Gate

Gate hardware consists of 17 in. strap hinges, three to each gate with necessary bolts and lags countersunk to prevent injury to horses. Two reversible latches of malleable. Nothing extends beyond door or frame to in-

jure horse. May be built up on steel columns if desired. We furnish metal parts only. Gray enamel or galvanized finish. All other equipment is described and illustrated in detail on preceding pages. Box Stalls may be had in any size desired.

Every horse owner should have at least one Jamesway Box Stall. There are times when it is necessary.



# Inspecting a Few Complete



terior Horse Stable, James L. Luke, Wilmington, Delaware.



Edward N. Smith Horse Barn, Watertown, New York.



Jamesway Equipped Horse Barn, W. H. Roberts & Son,  
Indianapolis, Indiana.



Armory, Bellefonte, Pennsylvania. Jamesway Equipment.



Lock Haven Armory, Lock Haven, Pennsylvania. Jamesway.



Partial view of Jamesway Equipped Stable, Becker & Son,  
Roseland, New Jersey.

The owners of Jamesway Equipped and Ventilated Horse Stables have good reason to be proud of the comfort they have provided their horses.



# Jamesway Equipped Horse Barns



Exterior of Lock Haven Armory, Jamesway Equipped.



Jamesway Planned, Equipped, and Ventilated Horse Barn, Netherland Dairy, Syracuse, New York.



Jamesway Equipped and Ventilated Barn at West Virginia University Farm.



H. B. Allen Horse Barn, Minneapolis. Jamesway throughout.



Crown Hill Horse Barn, Indianapolis, complete equipment and ventilation.

It is the saving of time, feed, labor, and the better condition of the horses that counts most with users of Jamesway Horse Stable Equipment.



Detail of Jamesway Manger Fronts.

# He who *saves* the most pigs *profits most* Use Jamesway save-all steel hog pens

Out of all pigs farrowed one out of every three are lost before weaning. This being the case, it is not so much a question of how many pigs are farrowed, but how many you can raise and save.

One of the most serious losses of little pigs can be largely prevented by using Jamesway Save-All Steel Pens equipped with little pig fenders. When the sow lies down the little pig fenders prevent her from crushing the little pigs against the wall. The pigs will be shoved back under the fender which holds the sow away from the wall.

Jamesway Pig Fenders may be dropped down and locked against the wall or raised entirely out of the way when not needed to protect the little pigs. Fenders lock into either position, whether in use or out of the way.

About three times as much sunlight will shine through Jamesway Save-All Steel Hog

Pens onto the floor as will pass through pens made of wood. Unless sunlight reaches the floor it does but very little good.

Jamesway Save-All Galvanized Steel Hog Pens are easy to clean. Installed on a concrete floor, cleaning is a simple matter and thorough.

With the new Jamesway Hot Dip Galvanized finish, imagine how much easier and quicker it is to clean Jamesway Save-All Pens than pens made of wood. In wood pens there are thousands of little cracks and crevices to catch dust and hold germs. Such pens are hard to clean thoroughly. Almost impossible to disinfect.

The Jamesway All Steel Save-All Pen, with its hard, smooth, rust-resisting surface, offers little chance for germs to thrive, and makes disinfecting much easier. It will pay you to save the little pigs.



It is one thing to have a sow farrow a dozen pigs and another to raise them all. Jamesway pens help.





# Now... Hot Galvanized

## Specifications

**Jamesway Sanitary Steel Hog Pen:** Weight 15 pounds per running foot.

**Corner Posts, End Posts, Intermediate Posts, Gate Posts:**  $1\frac{7}{8}$  in. O. D. Jamesway specification steel pipe used with Jamesway Tubular Anchors.

**Panel Horizontal:**  $1\frac{5}{16}$  in. O. D. Jamesway specification steel pipe.

**Panel Spindles:**  $\frac{1}{2}$  in. O. D. Jamesway solid steel spindles, spaced  $2\frac{1}{2}$  in. on center.

**Gate:** Frame of  $1\frac{5}{16}$  in. O. D. pipe with  $\frac{1}{2}$  in. spindles. All fittings of Jamesway Malleable. Hinges are offset so gate swings back against paneling. Gate lock has double latch connected by  $\frac{1}{2}$  in. pipe. One hand lock, animal proof.

**Columns:**  $2\frac{3}{8}$  in. O. D. galvanized steel pipe.

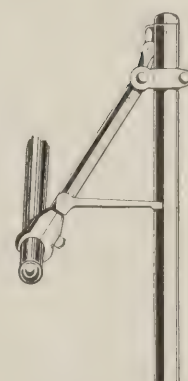
**Anchors:** Jamesway Tubular Anchors are  $3\frac{1}{2}$  in. O. D., 24-gauge steel, 9 in. long. Pen anchors are only part of pen required at the time concrete work is done.

**Pig Fenders:**  $1\frac{5}{8}$  in. O. D. pipe; malleable guards lock open and closed.

**Finish:** Jamesway Hot Galvanized.

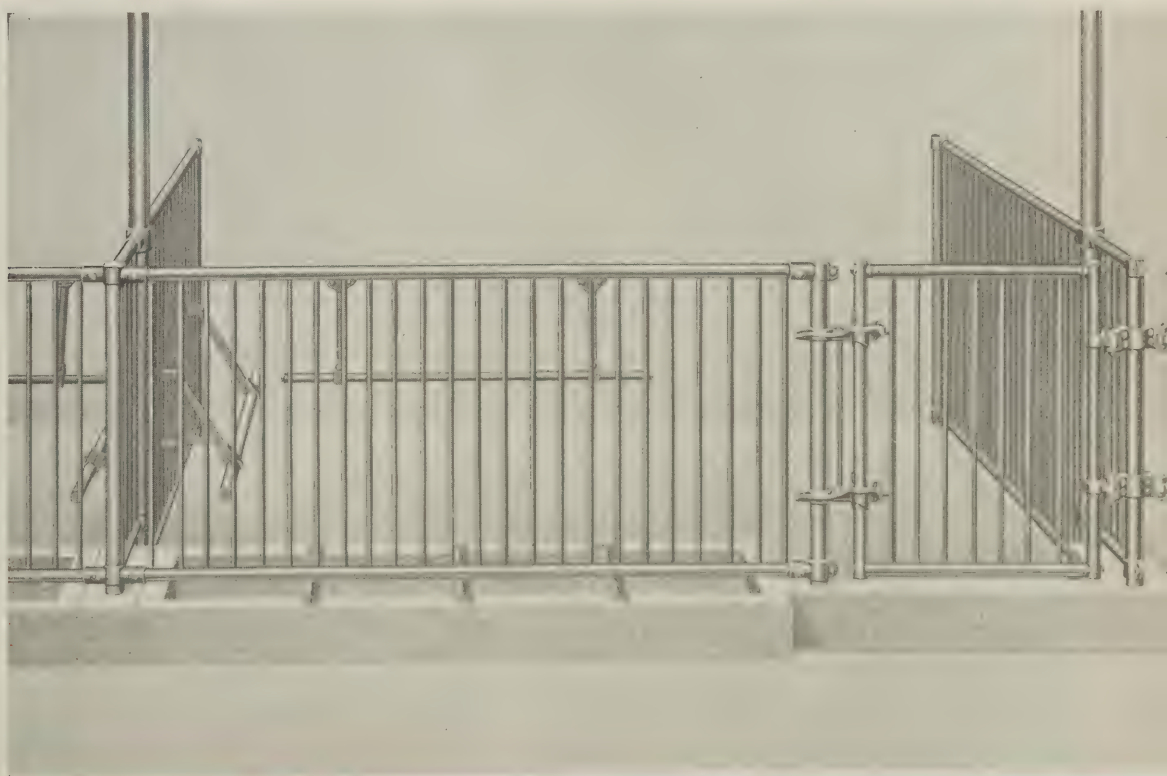
**Height of Pen:**  $38\frac{1}{4}$  in. from floor to top of pen paneling.

**Weight:** About 19 lbs. per running foot.



**Shipped  
Assembled  
in Panels**

It costs as much to keep the sow that raises two pigs as the sow that raises ten. Jamesway Hog Pens are an aid to more pigs.



# Ventilation for Hog House

## Forced and Gravity Systems

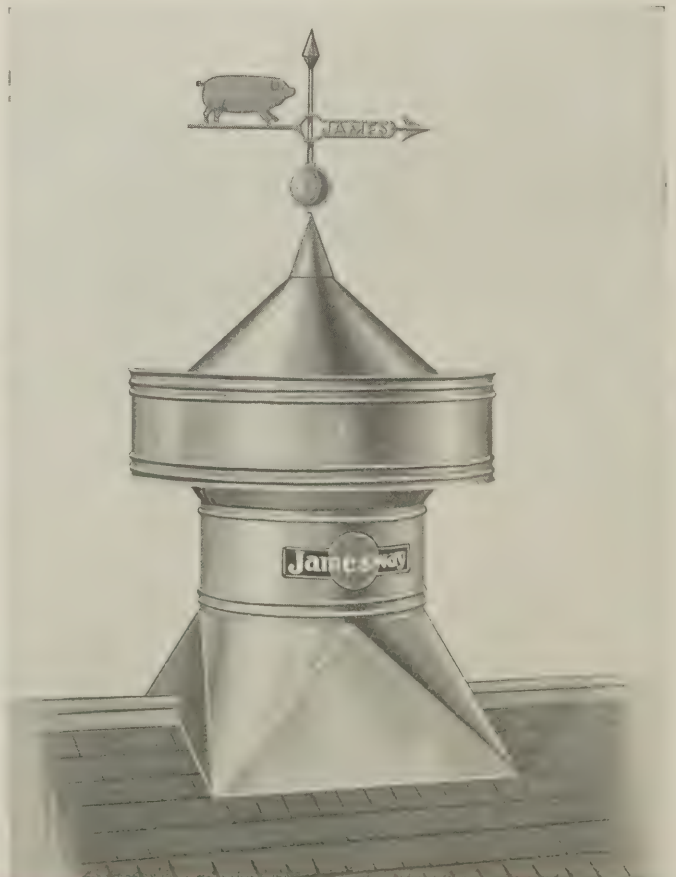
The hog lives and works at top speed. He exudes through the pores of his body and in the air exhaled from his lungs a large amount of moisture. Any hog man who has gone into an unventilated hog barn to find the windows frosted, the ceiling dripping and the bedding wet should know how great a volume of moisture is thrown off by even a small number of pigs.

If only one-half of the little pigs, that die because of the lack of proper ventilation, could be saved, the sum represented would run into millions annually.

The little pig lives in a world only a few inches above the floor. If that world is cold, and damp, if the air, because of a lack of proper circulation, is heavy with excessive moisture, germ-filled, and deprived of its life-giving oxygen, growth and development are retarded and resistance to disease is quickly overcome.

Ventilation in the hog house is an absolute necessity. A Jamesway ventilating system is one of the very best investments the hog raiser can make.

Jamesway offers the Hog Raiser three new improved types of electrical ventilation systems, The Eductor, The Duplex, and The Side Wall and two new gravity systems. Among the five there is one that will suit the exact needs and requirements of every hog man. Turn back to the section on ventilation where you will find complete description and illustrations of these new ventilation systems. Complete information will be supplied if you will send card.





# Heating Systems For Hog Houses

## Hot Water System

The horse and the cow have good coats of hair—even a calf or colt is provided with a good fur coat; the hen's feathers are a good protection against cold; but, the hog has almost nothing between its hide and the weather.

One of the first requisites for success with hogs is a shelter where the young pigs can be kept warm and well supplied with sunshine and fresh air.

A little pig takes cold very easily and recovers slowly, if at all. To prevent taking cold, he must be kept dry and warm, away from drafts, and provided with fresh air.

A hog house is a damp, clammy, cold place at best. Dampness makes chilliness. A chilled

## Warm Air System

pig means an ill pig; too often it means a dead pig.

To satisfy all requirements, we have provided two types of heaters and three types of heating systems.

First we have the hot water heater, providing for either an open or exposed radiation system, and the same heater with coils for laying in the floor.

The second is a warm air circulator, which can be set up in any hog house at any time. It consists of our cabinet Temperlater and small stove, burning either coal or oil.

Further particulars will be gladly given upon request.



Patented.



Jamesway Hot Water and Warm Air Circulators are thoroughly well made and efficient.

# The Jamesway Sunny Hog House

Patented.

The Jamesway Sunny Hog House combines all the features so much desired in a house by the man who would succeed with hogs. It is the result of years of practical study and work along this line by hundreds of practical hog raisers, as well as by our own research and engineering department.

The Jamesway Sunny Hog House has certain distinctive advantages, which warrant its being regarded as the most successful type of house.

The arrangement of windows is such that every pen in the barn has its spot of sunshine and sun warmth for many hours during the middle of the day.

The Jamesway Sunny Hog House not only furnishes sunlight on the pen floors for more hours during the day, but for a number of

hours during the middle of the day there is a spot of sunshine and sun warmth in every pen.

The low wall effects greater economy in material and construction costs. The low ceiling (only 10 ft. 2 in. maximum) also lowers building costs. But more important, it makes the building easy to keep warm. The gambrel roof makes this low ceiling possible, at the same time giving ample head room.

The roof construction is such that no cross ties are required, which interfere with the sun's rays reaching the floor, and again lowering construction costs.

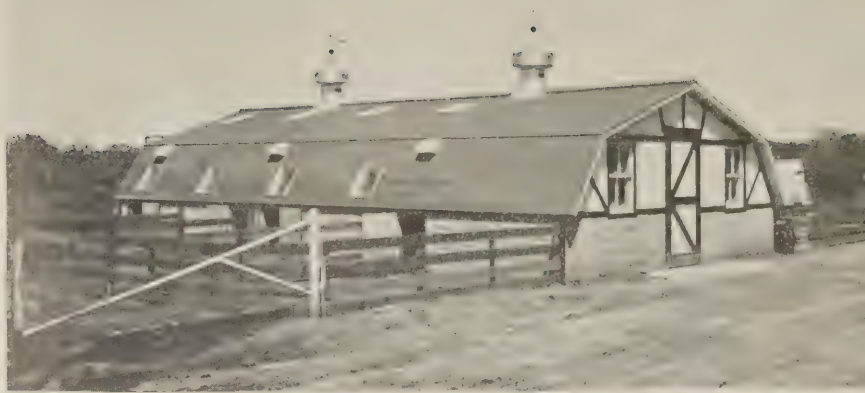
Close attention to the herd is possible in the Jamesway Sunny Hog House. It is very important to have the sows under one roof at farrowing time, so they may have the proper care.



Competent hog men have stated that a warm, dry, well ventilated hog house makes a difference of at least 40 per cent in saving of little pigs.



There are very few places around the farm where greater losses occur than in the farrowing pens. Consequently there are very few places where losses can be turned into profits. Jamesway Farrowing Houses are a big help to hog men.



It may be roughly estimated that it costs \$30 to keep a sow. Then a litter of two pigs at weaning time represents a cost of \$15 each. But a litter of 10 pigs costs only \$3 each. Paul R. Johnson, of Independence, Kansas, whose Jamesway Sunny House is shown here, has made it possible to save the greatest number of pigs from each litter.



The DB133 Hog Waterer. Provided with kerosene lamp and chamber to temper water in cold weather. Size 2 ft. 6 in. by 2 ft. 4 in. by 3 ft. Holds 65 gallons, weighs 175 pounds. Made of best quality copper-bearing steel sheets galvanized. Lock seams sweated with solder. Sheradized rivets used throughout. Two removable cast iron drinking bowls located on opposite sides protected with strap iron guards. Brass valves with adjusters. Flanged to permit bolting to floor. An ideal hog waterer and well made.



# Jamesway Welded Steel Windows

Jamesway Welded Steel Windows are a complete unit of window frame and sash, with hinges attached. There is no trimming or fitting. Simply set the whole unit in the opening and fasten in place with anchor clips and screws. Installation cost is much less.

The Jamesway Welded Steel Window has 28% more unobstructed glass area than a wood window and frame for the same size wall opening. A room which requires 10 of our 6 light windows would require  $12\frac{3}{4}$  wood

windows of 6 lights to give it the same glass area. On this basis, wood windows cost more and when installation costs are included, they cost a lot more.

Jamesway Welded Steel Windows are in every way in keeping with Jamesway standards of merit and value, which have prevailed for 30 years. Eventually Welded Steel Windows will take the place of wood frame and sash just as Jamesway Sanitary Steel Cow Stalls and Pens are taking the place of the present unsatisfactory wood equipment. Besides being far more substantial, Jamesway Welded Steel Windows cannot swell or shrink and they permit of a full opening for summer ventilation.

## *Specifications*

**Materials:** Frame and muntins hot rolled open hearth steel. Special design for window fabrication. Shapes are cut smoothly to correct length and electrically arc welded while firmly held in metal jigs or forms, assuring accurate dimensions and true shape.

**Hinges:** Wrought steel with brass hinge pin. Hinges permanently welded to sash. May be had to swing either right or left.

**Locks:** Malleable iron with steel adjusting bars. Adjustable for narrow to full opening. Welded hinge and draw tight action of lock insures tight windows that are storm proof.

**Glazing:** Copper coated spring wire glazing clips, high-grade steel sash putty. Our steel windows are supplied either with or without glass. We furnish double strength clear sash glass when ordered. Size of glass  $13\frac{5}{8}$  x 14 inch.

**Finish:** Standard finish, consists of one gray primer coat. Owner should paint sash after erected. When the best of protection is desired, we offer and recommend Jamesway Hot Dip Galvanized finish. Hot dip galvanized finish is the most practical and the most economical.

## *Sizes*

The width of our 2, 4 and 6 light sash is standard at 2 feet  $6\frac{1}{2}$  inches. The height of the 2 light is 1 foot  $4\frac{3}{4}$  inches; the 4 light, 2 feet  $7\frac{1}{8}$  inches; the 6 light, 3 feet  $9\frac{1}{2}$  inches. Glass size in all is standard at  $13\frac{5}{8}$  x 14 inch.





# Jamesway Sheet Metal Windows

Jamesway Sheet Metal Windows fill a real need in the farm field. They are very durable, easily erected, and inexpensive. Their operation is not affected by moisture which causes much trouble. Being made of copper-bearing galvanized steel sheets, they are rust-resisting. We also use copper glazing clips, a special elastic putty and metal strips for covering the putty and holding it in place.

These Metal Windows may be used in Barns, Poultry and Hog Houses, Milk Houses, Grain and Machine Sheds.

## *Specifications* Wall Type Windows, *Ventilating*

**6-LIGHT** window (illustrated) requires wall opening of  $20\frac{1}{8}$  in. wide x  $43\frac{1}{8}$  in. high.

**4-LIGHT** window,  $20\frac{1}{8}$  in. x  $29\frac{1}{2}$  in. high.

## Wall Type Windows, *Non-Ventilating*

**6-LIGHT** window requires wall opening of  $20\frac{1}{8}$  in. wide x  $43\frac{1}{8}$  in. high.

**4-LIGHT** window,  $20\frac{1}{8}$  in. x  $29\frac{1}{2}$  in. high.

## Roof Windows

**8-LIGHT** window requires wall opening of  $44\frac{1}{8}$  in. x  $30\frac{1}{2}$  in.

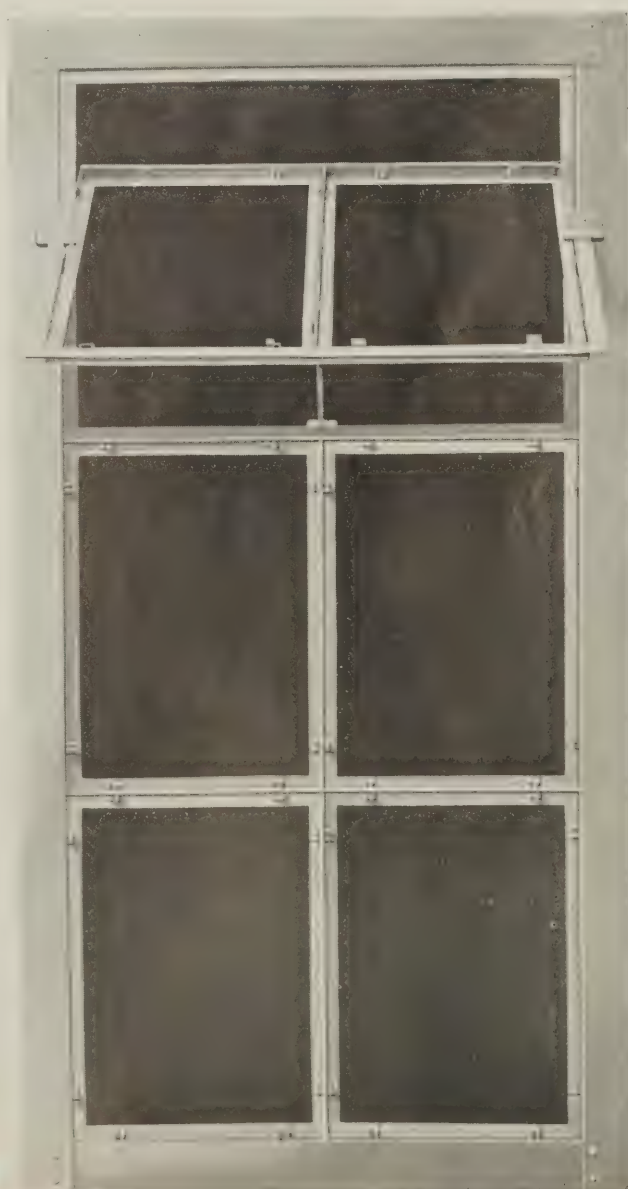
## Poultry House Exit Sash

**6-LIGHT** window and exit sash requires wall opening of  $44\frac{3}{8}$  in. x 29 in.

Determining the correct amount of glass area needed in a building and properly locating window and door openings is not an easy matter if done correctly. Long experience in planning barns and other farm buildings has given us an advantage in this respect which we will be glad to share with anyone interested. A card addressed to our nearest office will bring this help to you and without cost or obligation on your part.

Furnished either ventilating or non-ventilating type. The ventilating window has two upper lights fitted to a tilting mechanism. This is firmly hung on a specially designed hinge. A handy combination lock and adjusting latch is used to hold the window open in five different positions. When closed it is locked shut from inside.

Windows are easy to install. No trimming or fitting. Windows made with 2 in. flashing. Window fits into opening. Glass shipped separate. A new Jamesway method of glazing makes this job quick and easy. Instructions furnished with each shipment.



Patented.

# The New Jamesway Pointed

The new Jamesway Pointed Arch Farrowing House gives the newly-born pigs the right kind of a start. It is warm and dry, where warmth and dryness count most; flooded with sunshine, where sunshine is needed; and purified with fresh outdoor air as nature intended. It can justly be called a little pig nursery.

Do not think of this building as a house or shelter. Think of it as a controlled condition within a house, under which little pigs thrive best. An environment brought down to the floor where these small pigs live. A condition that saves pigs as well as grows them. Think of this condition in terms of sanitation, ade-



Interior view of the new Jamesway Farrowing House.





# Arch Farrowing House

Patented.

quate warmth, humidity, air turnover which every good hog man knows is of utmost importance in raising hogs.

A warm, dry farrowing house, free from drafts with plenty of fresh air and sunshine makes it profitable to have sows farrow in January, February and March.

Control over sanitation, temperature, humidity, and air turnover, means control over pig losses, growth, and development. The New Jamesway Pointed Arch Farrowing House is the farrowing house of tomorrow for forward-looking hog men of today. Additional information upon request.

Cut away view of floor showing hot water coil under the hog bed and metal pen panel.



# The Jamesway Pointed

This new Calf House should be thought of as a condition within a house. It is more than a barn, a shelter, or a place to keep calves. Think of it as sanitation, humidity, air movement and correct temperatures under which young calves do their best.

In this house the calves' quarters can be kept clean and dry. Outdoor air is provided in sufficient quantity without draft. A comfortable, healthful temperature is under control. Sanitation is easily possible. Sunlight strikes directly into the pens. Facilities for feeding and watering are available. In all things and in all ways the ideal quarters for raising and developing young calves have been provided.

"A cold barn, a damp or chilly barn may help to develop calf scours or pneumonia through lowering the resistance of the young calves. "A great many of the physical troubles

to which calves are subject are caused by cold drafts and dampness. Even if the quarters are warm, if they are ill ventilated or moist, the animals vitality is lowered and its resistance to disease lessened." (U. of I Circ. No. 2.)

The new Jamesway is heavily insulated against heat loss and the infiltration of cold air. It is lined throughout with a heavy copper-bearing sheet metal galvanized, which with hot galvanized equipment and concrete floors provides quarters free from any substance that takes moisture.

Ventilating windows are so located to direct the sun's rays into the pens. These windows are operated and locked from the inside.

A hot water heating system is a part of the equipment. Coils are located properly to give the most efficient and equable condition.



Jamesway Calf House  
on the farm of F. L.  
Williams, Hope, R. I



# Arch Calf House

Patented.

Drainage is provided so that the whole interior may be flushed, disinfected, and drained at any time easily, quickly, and thoroughly.

The growth and development of calves into profitable mature animals depends largely upon the manner in which they are cared for, especially the way in which they are housed. Jamesway developed this Pointed Arch House

to provide proper conditions and make it easier to raise better calves.

This new Jamesway Pointed Arch Calf House is a product of our Research Department developed under working conditions for tomorrow's needs, available now to forward looking dairymen of today.

Further details upon request.

Interior view of the new Jamesway Calf House. Heating coils located under windows and over pens.



# Jamesway *Pointed Arch* Laying House

Patented.

## Sold only as a Complete Unit

A hen house is usually thought of as a shelter. Jamesway thinks of a hen house as a Condition. The Jamesway Pointed Arch Poultry House provides that condition under which hens do their best.

It is the condition inside this house that makes it distinctively Jamesway. The control over weather within the house is the thing that sets it apart and makes it different from all other poultry houses.

In a Jamesway Poultry House there is an environment created that involves temperature, humidity, and air movement. It is a condition not unlike spring weather when the hens sing and lay their best. Under such an environment, the health, vitality, production and reproduction of the hens is safeguarded.

The general public will find something new in the shape and framing of this house. To some it may appear as a novelty. However striking the appearance may be, it was not the only purpose to make it distinctive.

The design of this house had these definite purposes: First, to save on building costs; Second, to reduce unused space and thus cut

down the amount of space to be heated; Third, to make erection so simple and easy that those least familiar with tools could set it up quickly; Fourth, to save steps and time in caring for the flock; Fifth, and of the most importance, to provide a condition of weather under which hens do their best.

The convenience of the Jamesway House will appeal to the busy poultry man. Its efficiency will aid him in adding to his profits. The environment provides conditions essential to hen health and profitable egg production.

The Jamesway Pointed Arch Poultry House is the product of many years of research. The first model was completed on November 22, 1922. Since then the best brains on our staff have centered on its development. The questions we desired answered were put directly to the hens.

These questions have been answered. The problem has been solved. To poultry men and women we offer the Jamesway Pointed Arch Poultry House—a complete unit in which are combined for the first time all factors necessary to the profitable housing of the modern hen.



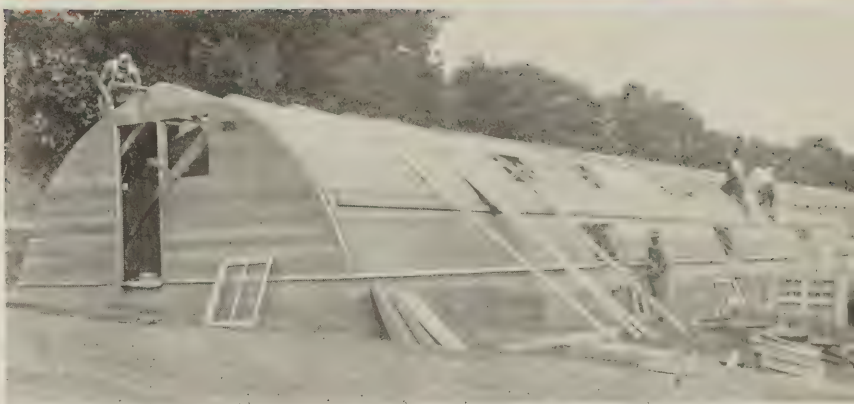
When winter comes  
hens housed the James-  
way lay and pay.

Pointed Arch House  
illustrated, operated by  
Poultry Tribune, Mt.  
Morris, Illinois.





Jamesway Pointed Arch Houses are factory built and shipped complete except for floor and foundation material. They are put up easily and quickly. The best quality of materials are used throughout. When complete they present a very striking appearance.



The peculiar shape of the Jamesway Pointed Arch House lends itself to the building of considerable strength and ruggedness into the finished structure.



A close-up of the window and side wall in Jamesway Pointed Arch Houses. The window adjusting and locking device is shown, as is the sheet metal interior with which these houses are finished.



Cleaning the droppings boards with the aid of a Jamesway Big Boy Carrier. Carrier is lowered so that its top edge comes just under the droppings board, and the droppings are raked directly into the carrier tub. Hen manure is very valuable when properly handled.



# The *New* Jamesway *Utility* House

Patented.

It takes something more than good hens, good feed and good care to get winter eggs. To get hens to lay profitably when eggs bring top prices it is quite necessary to provide springtime weather conditions under which hens ordinarily do their best within the house.

Jamesway designed a house in which springtime weather can be duplicated. The very shape of the house is a part of that purpose. It reduces to the lowest practical degree the area of the room to conserve warmth. In the colder climates the Jamesway Utility House may be lined with Jamesway Insulation Board. Attached by means of furring strips an air insulation is added to the effectiveness of Jamesway Insulation to keep out cold and hold the warmth.

More than that, the Jamesway Utility House is provided with a complete Jamesway System of ventilation consisting of fresh air intakes, a foul air outtake and a roof ventilator with smoke stack and damper.

Sunshine, that element so vital to poultry culture has not been overlooked. Each unit has a glass area the equal of 47 square inches

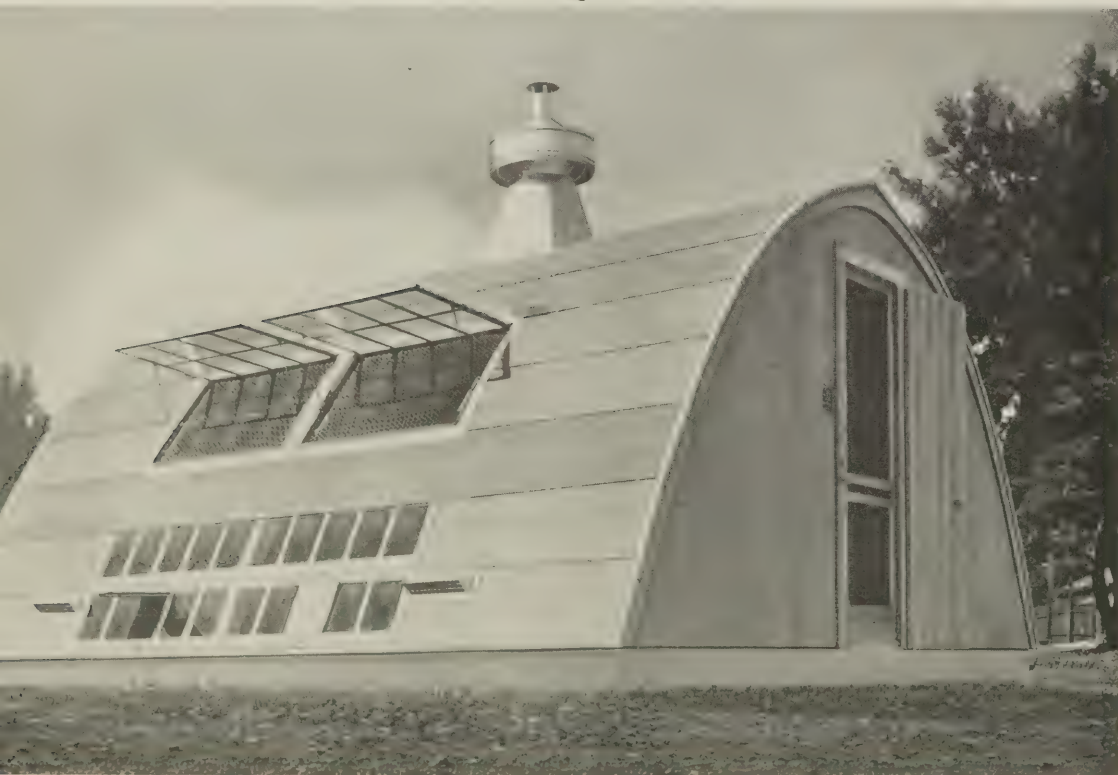
per hen. No poultry house has a more effective sun pattern on the floor than this.

Sanitation, equally necessary, is also thoroughly provided for. Removable dropping boards; collapsible roosts; mite-proofed roost supports, fresh air and sunshine are component built in parts of this modern poultry plant.

Lumber and labor cost for erecting the New Jamesway Utility House is more than cut in half. Take framing lumber as an example. The conventional shed roof poultry house size 12 ft. x 12 ft. requires 346 lineal feet of 2 x 4's for studding and rafters. The new Jamesway reduces the framing lumber bill 75% by taking the equivalent of 80 lineal feet and yet it has more strength than is required.

A 12 ft. x 12 ft. shed roof house requires 532 board feet of sheathing and roofing boards. The new Jamesway cuts that bill nearly in half with only 365 board feet for the same purpose. Jamesway saves over half in lumber alone.

These savings together with those made through large purchases of raw materials and mass production go to make up worth while economies that are passed right back to the purchaser.



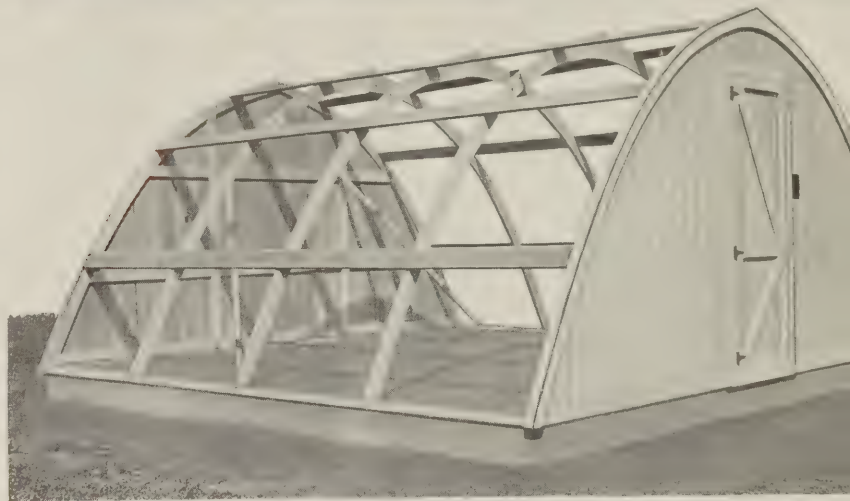
Close up view of new Jamesway 16 foot Utility Poultry House. May be had in multiples of 4 feet over 16 feet. An excellent view is had here of the ventilating windows, poultry exit doors, entrance door with auxiliary screen door and ventilator. This house may be used for laying hens, brooding, fattening and fancy stock. A house much similar is also available in 12 foot widths.



A series of pictures showing how easily and quickly Jamesway Utility Houses may be erected. Ends are shipped in three sections. Hammer and a few nails are all that is needed to assemble them.



Arches, factory made, arrive in two parts joined with a single cleat reinforced with steel plates and anchored at the base with metal strips nailed to plates. Makes a very strong and rigid frame.



Front view of house before roofing paper has been laid. Openings left for Jamesway Sheet Metal Sash. Note the excellent quality of lumber used throughout the structure.



Rear view of the same house. Low windows light floor under droppings boards and serve as exit doors to the north side of building. Metal hoods shown on each side of window are the intake openings for ventilation system.



# The Jamesway *Round* Brooder House

Patented.

## *Erect it Yourself... Low in Cost*

A sturdy compact unit, built snug and tight. Here it is easy to keep the right temperature for brooding baby chicks. This Jamesway Round Brooder House saves steps and time in caring for chicks, too. It is easy to erect and maintenance cost is low. It is strong, it's portable, and can be used not only as a brooder house, but also as a back lot poultry house. Equipped with ventilating steel windows locked from inside.

Look at the unusual construction of this house. The side walls and roof are made of Jamesway Insulation Board. The side walls have been completely submerged in a bath of Jamesway gray enamel to damp-proof them against rain, snow or sleet. These Jamesway Insulation Boards are placed on 2 x 4-inch studs which form the framework of the house.

All joints are sealed with metal strips; thus the side walls are thrice secured to the framing. First, by nailing the insulation; then re-enforced by metal battens held tight by screws; and ringed in by metal hoops at top and bottom.

The upper surface of the roof is waterproofed (after erection) by a heavy covering of emulsified asphalt. Then each joint is sealed by a metal strip the underside of which is filled with plastic asphalt roof cement which seals the joints. When assembled this roof becomes one integral unit. Jamesway roof and side walls hold in the heat and keep out the cold like a heavy woolen blanket.

The house may be equipped with roosts and dropping boards, and fully equipped with Feeders, Waterers, and Nests for 40 hens.





# *You'll do better with . . . Jamesway hatched Chicks*



## *They're full of Vim - Vigor and Vitality*

"Jamesway Hatched Chicks" is just another way of saying "the best hatched chicks". Baby Chick buyers quick to discover the best now demand Jamesway Hatched Chicks.

Chick buyers have become so insistent in this demand that hatcheries so equipped proudly advertise Jamesway Hatched Chicks. As a result of this demand, more hatcheries are equipped with the marvelous Jamesway Incubator-Hatcher than any other mammoth incubator.

When you go to buy chicks next time look for the hatchery that advertises Jamesway Hatched Chicks. Compare these chicks with such as you have been getting. You will find Jamesway Hatched Chicks are bigger, stronger and livelier.

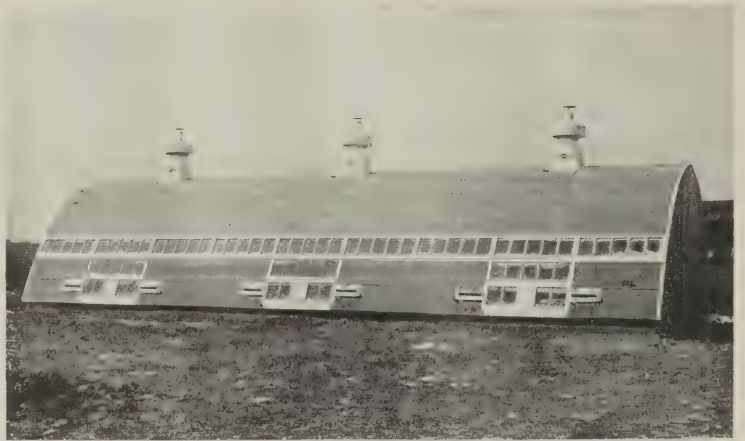
Look for the Jamesway Hatchery in your neighborhood. If you do not find one, write us, there is one near by and we will be happy to direct you. Take some Jamesway Hatched Chicks home with you. You will find they grow faster and make better layers.



# Jamesway *Ready Cut* Buildings



Early Chicks are easy to raise in this warm Jamesway House.



Jamesway Utility House owned by Miss Gladys Lee, Rockford, Illinois.



Two-story pointed arch house. Feed and furnace room in center. Garage at rear end.



Round Brooder House used for turkeys on range by C. E. Bash, Huntington, Indiana.



Jamesway Brooder Houses used for brooding wild game at Woodmont Club, Hancock, Maryland.

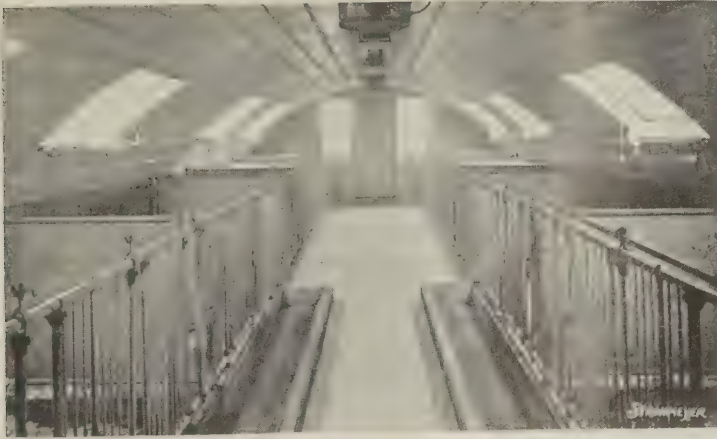


Interior view of Jamesway Pointed Arch Poultry House with Jamesway Equipment.

Thousands of Jamesway Ready-cut Houses are to be found in all parts of the country. To be appreciated they must be seen from the inside.



# As Seen From An Easy Chair



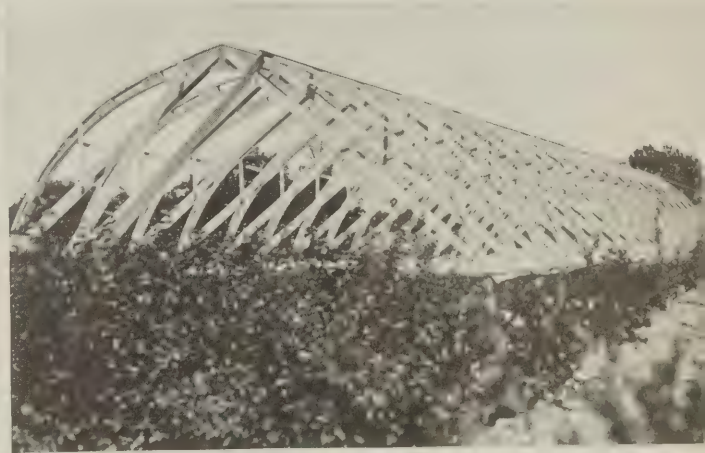
Pointed Arch Calf House interior on the farm of F. L. Williams, Hope, R. I.



Interior of Kerlin's Grand View Pointed Arch House, Centre Hall, Pa.



Jamesway Planned, Equipped, and Ventilated Poultry Houses operated by Kime Farm, Montoursville, Pa.



Arches up ready for the roof. The Jamesway is a patented house.



Pointed Arch House on the Atwood Farm, Minneapolis, Minn.

The important part of a poultry house is inside. What condition is provided inside to get hens to lay when eggs pay? That's what counts.



Center feed and heater room, laying quarters each side. House owned by Arthur Gray, Wayzata, Minn.

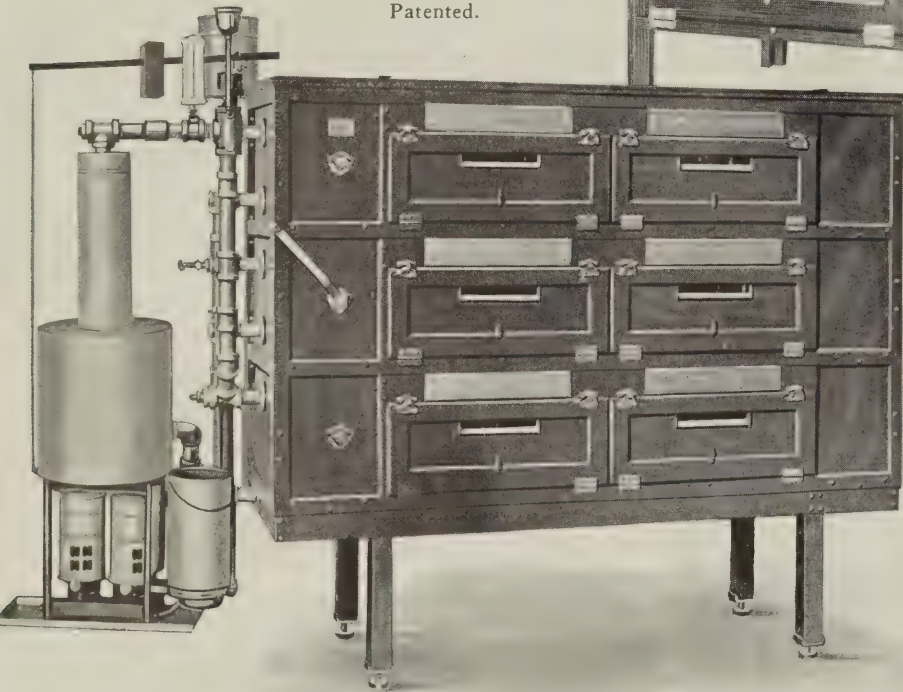
# Jamesway *Mammoth Incubator-Hatcher*

360 to 100,000

EGG CAPACITY

COAL — OIL — GAS — ELECTRIC

Patented.



Unit Type  
Construction.

Add Sections  
As Your  
Business Grows.



This Book tells  
all about James-  
way Incubators.  
Send for copy.



Jamesway Incubator-Hatcher in action. Hatches better chicks because it follows nature's best methods under controlled conditions.

Capacity of machine shown here 40,000 eggs. Uses coal, oil, gas, or electricity. Built on the unit plan—add units as you grow. Start small and grow with experience and increasing business.



Jamesway Electric Battery Brooder. A double-faced unit on trucks. Each unit holds 1,000 day-old chicks. We have hover brooders, burning coal, oil, or gas, also electric.



A 12-section Hot Water Heater Growing and Developing Battery. Each section accommodates upwards of 1,500 birds in all stages of growth. We also build Broiler and Holding Batteries. Over 30,000 chicks in the battery shown here.





Jamesway Poultry Equipment is in a class by itself. "There really isn't anything just like it," said a big poultry man recently, "and there isn't anything just as good."



You can get a good idea of the big Jamesway waterers, feeders, and nests on this and the next page. All are made to stand up and give long service profitably.



The Jamesway Poultry Equipment Line consists of Brooders—Oil, Coal, Gas or Electric—for chicks, Chick Equipment, Laying House Equipment, in fact, just about all the equipment used in and about the poultry house. From mammoth incubators for the hatching of eggs to nests, feeders and waterers for the laying flock.

Write for our big Poultry Equipment Catalog.



# How to get eggs *when eggs pay*

It is common knowledge that ten eggs laid in winter will bring as much as twenty eggs laid in April or May. The problem has been to get hens to lay steadily during that season when eggs are high.

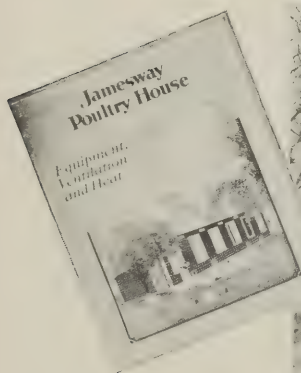
Getting hens to lay through the winter months is now a comparatively simple matter. It involves maintaining "springtime" weather inside the house the year round. The Jamesway System of Poultry Housing does this.

The best flocks, well fed and cared for, will go into a slump at the first approach of cold weather if unprotected. On the other hand it has been observed that an ordinary flock with only average care will continue to lay if properly housed.

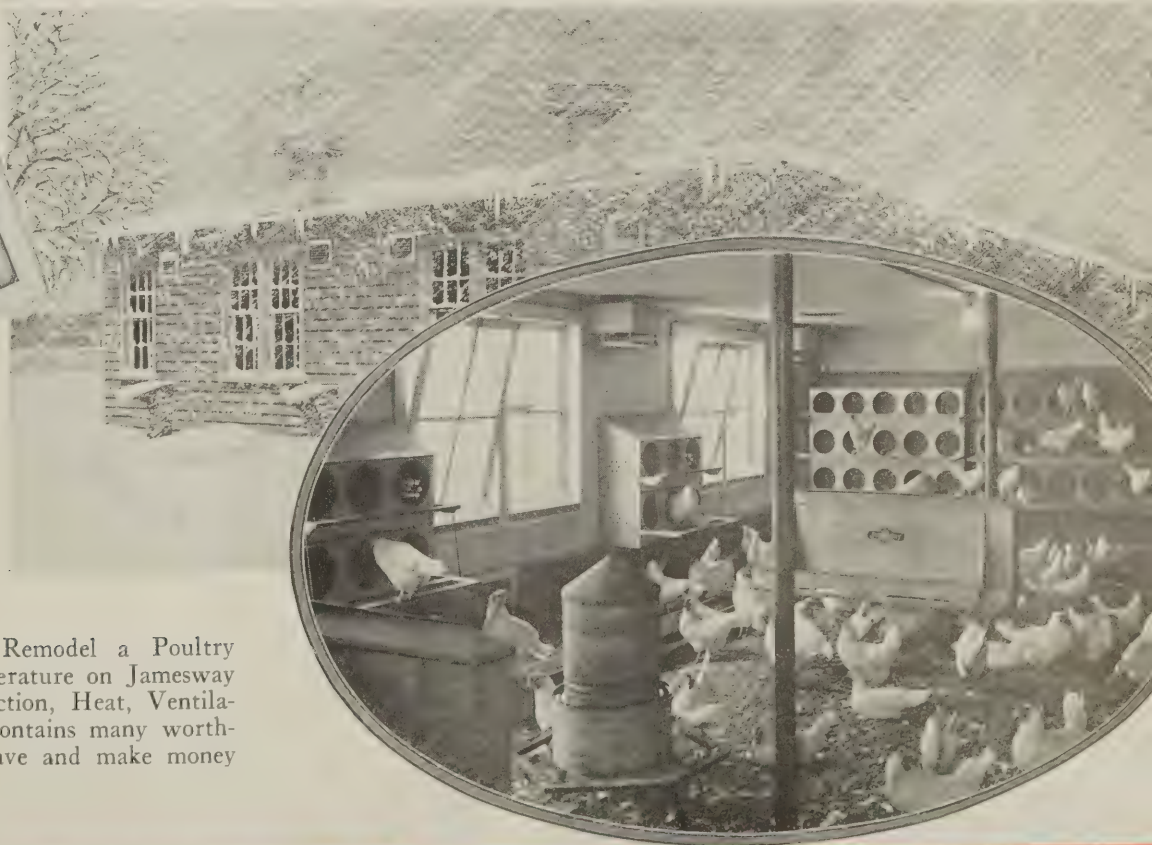
Housing, therefore, is the first essential to success—not the last. Protect the hens and they'll protect your profits.

Before you build your next house or remodel an old one make up your mind to have it right. Don't build a poultry house that cannot do more than shelter the hens. The costly disappointments of hundreds of failures are against you. It can't be done.

Asking Jamesway help in building or remodeling has never cost the seeker for information a cent. It has saved hundreds of poultrymen many a hard-earned dollar. Send for free literature or better yet, have the Jamesway man call and give you facts and figures.



Before you Build or Remodel a Poultry House, send for free literature on Jamesway Poultry House Construction, Heat, Ventilation and Equipment. Contains many worthwhile ideas that will save and make money for you.





# The Ensilage Keeper

Patented and Patents Applied For in U. S. and Foreign Countries

## A BETTER Silo

Jamesway has designed a new kind of silo. Because it preserves the succulence of the corn crop better we call it The Ensilage Keeper.

After all, the primary purpose of a silo is to preserve so far as possible the succulence and palatability of corn or sorghums. These are body building, milk making qualities. To do this well is the mark of a good silo.

Now the Ensilage Keeper has a non-porous wall and the joints may be made both air and water tight. Silage juices cannot evaporate or leak away through the wall or the joints—air cannot get in. The silage keeps juicy and wholesome.

Besides keeping silage properly, the Jamesway has many other advantages. The Ensilage Keeper cannot shrink, swell or warp. It cannot crack, spall, or collapse. It cannot rot, rack, twist or burst. There are no hoops to tighten—no guys to fall over—no loose doors to become lost or misplaced.

The Jamesway has a greatly improved ladder, doors, chute and roof with many exclusive patented features. It has several unusual safety first devices for the man who values life and limb. It is the only silo reinforced both horizontally and vertically.

The Ensilage Keeper will freeze just as all silos freeze. But it has the distinct advantage of thawing quickly in warm spells instead of freezing deeper and deeper.

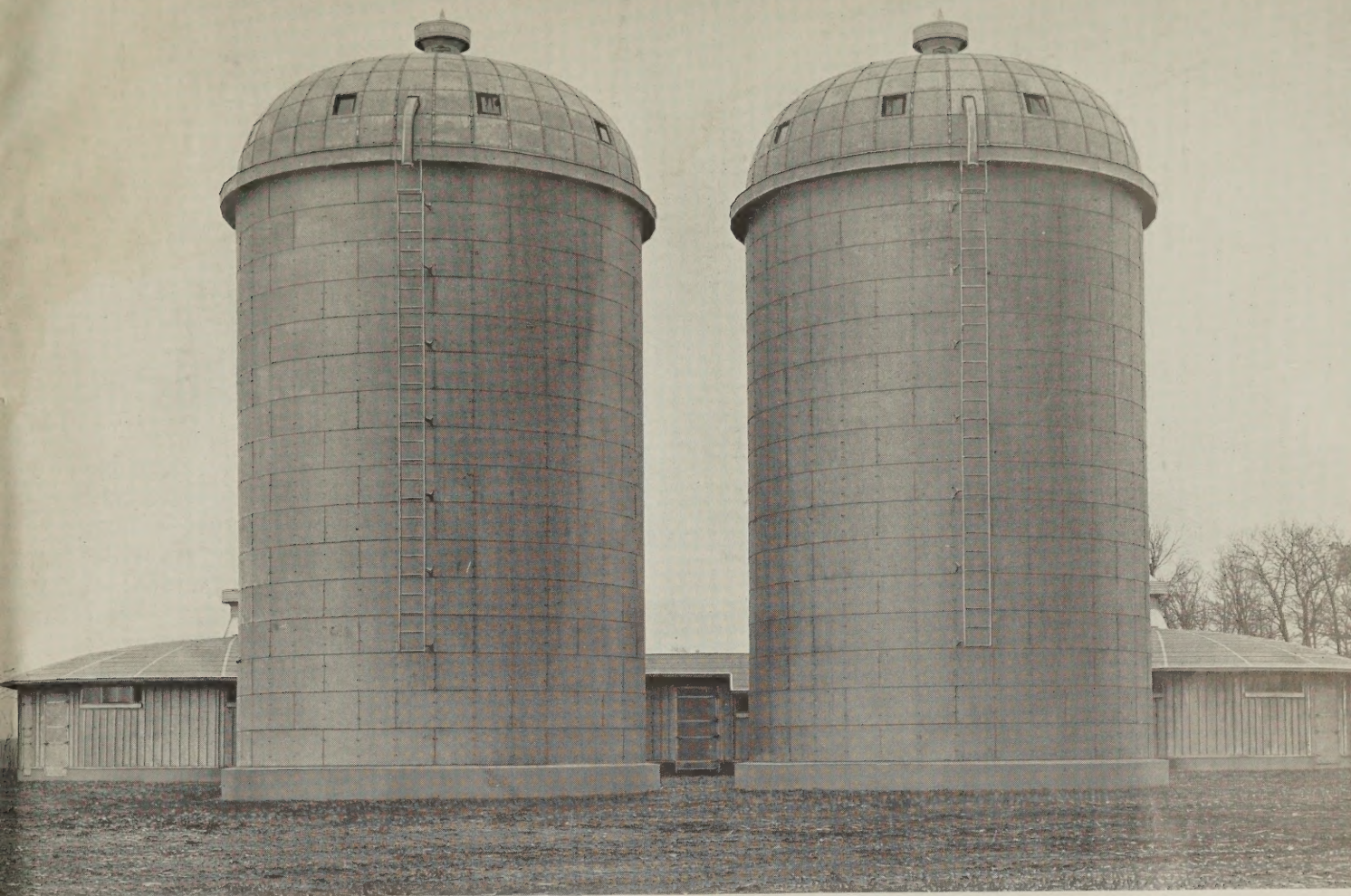
If you want real silo satisfaction, investigate the keeping qualities, the durability, the convenience, the economy, and the satisfaction of the Jamesway Ensilage Keeper—a better silo.

Before you build a silo, send for free literature which tells all about the Jamesway Ensilage Keeper.

The economical silo does not cause excessive amounts of silage to spoil; it is the silo that preserves the nutrients of freshly cut corn and keeps them as fresh and sweet as the day the silo was filled. Because the Jamesway does this it is truly an economical keeper of ensilage.







## Now a New Way to Store Forage

Present day methods of curing and storing forage crops are much the same today as they were centuries ago. There has been very little improvement. Year in and year out the protein rich leaves—the most valuable part of the crop—have been shattered and left behind in the fields. Each summer has seen gathered the same lifeless hay, bleached by sun and leached by dew. One harvest after another has found its way into the tinder box over the livestock, there to become the worst fire menace known to the farm. The economic waste in handling forage crops is appalling.

The need for improved methods of curing and storing forage crops was seen by Jamesway many years ago. Jamesway looked upon the problem as an opportunity to contribute something really worth while to agriculture. Success has rewarded our efforts. From Jamesway Farm Engineers comes a brand new way of harvesting and storing forage crops that puts more hay and better hay in storage

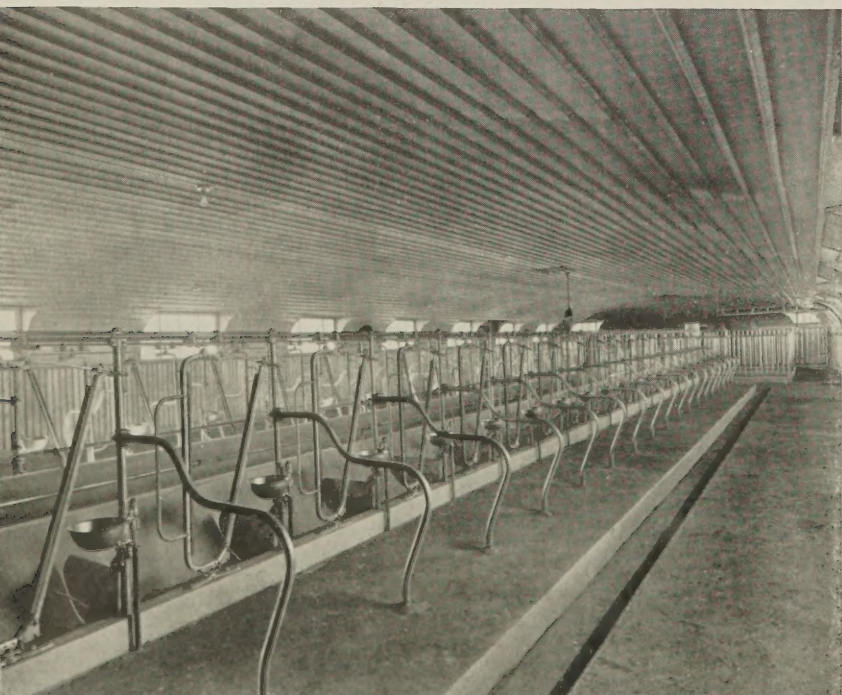
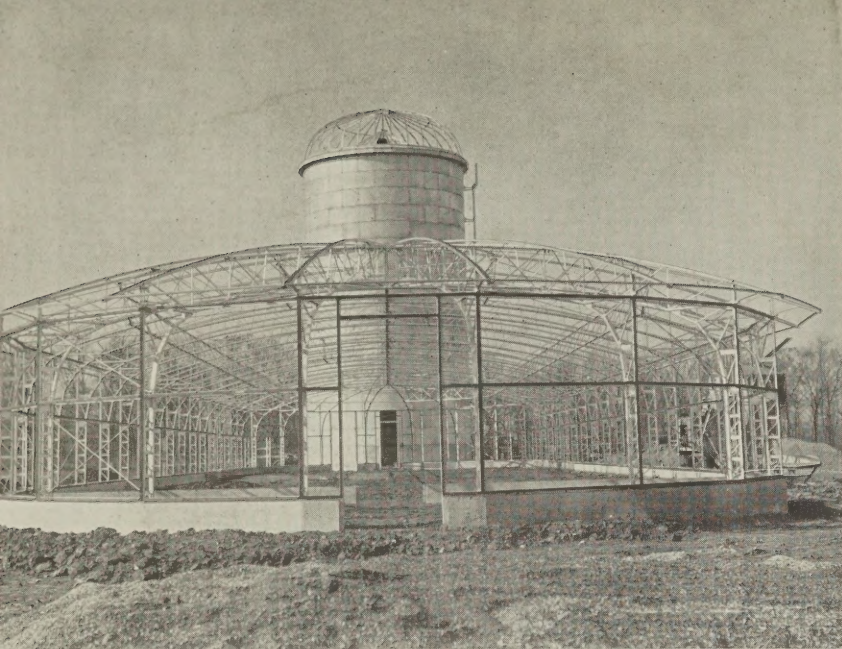
and does away with the back breaking job of mowing hay away.

With these new ways, Jamesway brings in sight the end of the pitiless devastation of the destruction of barns by fire; brings in sight the end of the daily fire threat to herd safety and farm wealth, which feeds upon the fruits of honest toil.

Out it goes—all of it—to make way for better ways—tenfold better—better in every way from the time the hay is laid to earth until the dumb beast has had its fill. Ponder the economy of these betterments: Curing time shortened . . . more protein rich leaves in the manger . . . more of the color, flavor and odor . . . less work into storage and out . . . barn fires curbed.

The story of this new development is too big to be told in these few paragraphs. "If interested, send to our nearest office for detailed information on Jamesway Hay Keepers."





— *New* —

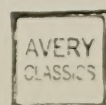
## The Jamesway *insulated* Metal Stable

Jamesway has engineered a mowless Metal Stable without the firetrap hay mow. A handsome structure — low, sturdy and solidly anchored to withstand the force of high winds; — grounded to deflect lightning; — clad with metal inside and out to stop fires; — wrapped in two blankets of insulation laid between three air spaces to temper the cold of winter and the heat of summer. A self-supporting roof does away with posts. An arched metal ceiling reflects light. Metal doors, metal windows, metal equipment, new ventilation, more sanitary, more convenient — new in all ways, better in every way.

This is the startling outstanding answer to the thousands who have prayed for relief from the tragic wasteful practices of the past. This is the "priceless . . . contribution that is a godsend to farmers" toward which the leaders of agriculture are now turning. And well they might, for in finding a SAFER way to house farm animals, Jamesway has also found a BETTER way to make hay and a BETTER way to keep forage. And as if by magic, a way has been found to make new profits from old wastes.

Out goes the old, all of it, to make way for better ways — tenfold better — better in every way from the time the hay is laid to earth until the animals have had their fill.

To those who wish to learn more of this new development in farm structures we invite correspondence. In writing please give as much information as to the size of your herd and barn as possible.



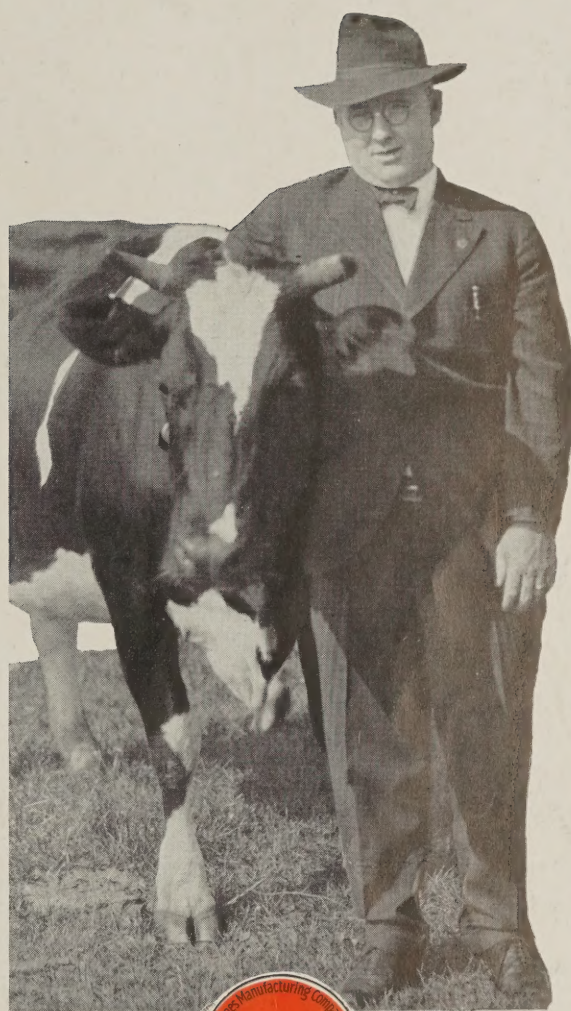


## In closing..*just this*

Having been raised on the farm had something to do with the way we started out to build equipment. I believed then that if the equipment we made was from good materials, would save or make money, and prove an honest value, that it would be welcome on the farms and help build a business.

In 30 years our business has grown to considerable proportions as a direct result, I believe, of clinging to that idea. Future customers may rest assured the Jamesway policy of an honest value always, will continue to be our guiding star in all things — big or little.

*H. D. James*  
President







# BARN · BOOK